## BASIC RELOADERS MANUAL 2002





### HODGDON

Shotgun/Pistol Powders

Hodgdon shotgun and pistol powders give shooters uncompromising quality, consistent velocities and clean-burning performance.

From 22s to 44 Magnums,



410 to 10 gauge,
there's a powder
to meet any need.



## HODGDON

Spherical Rifle Powders

Hodgdon spherical powders are great all-round propellants for a variety of rifles. You'll not

only enjoy consistently high



performance, you'll also appreciate the consistent charge weights that Hodgdon spherical powders give you.



## **HODGDON**

Extreme™ Rifle Powders

Our exclusive line of extruded rifle powders — Hodgdon Extreme<sup>™</sup> — was developed to give shooters consistent

performance, load after load, in even the most





# HODGDON New Products for 2002



Triple Seven® Revolutionary muzzleloading propellant that cleans up with just water.



Retumbo For magnum loads that hit harder and strike faster.



## HODGDON Smokeless Propellants

Powder	Туре	Container Size
Titewad	Shotshell	14oz 4lb 8lb
Clays	Shotshell/Pistol	14oz 4lb 8lb
International	Shotshell	14oz 4lb 8lb
Titegroup	Pistol	1lb 4lb 8lb
HP-38	Pistol	1lb 4lb 8lb
Universal	Shotgun/Pistol	1lb 4lb 8lb
HS-6	Shotgun/Pistol	1lb 8lb
HS-7	Shotgun/Pistol	1lb 8lb
Longshot	Shotgun	1lb 4lb 8lb
H110	Shotgun/Pistol	1lb 8lb
Lil' Gun	Shotgun/Pistol	1lb 4lb 8lb
H4227	Pistol/Rifle	1lb 8lb
H4198	Rifle	1lb 8lb
H322	Rifle	1lb 8lb
Benchmark	Rifle	1lb 8lb
H335	Rifle	1lb 8lb
H4895	Rifle	1lb 8lb
Varget	Rifle	1lb 8lb
BL-C(2)	Rifle	1lb 8lb
H380	Rifle	1lb 8lb
H414	Rifle	1lb 8lb
H4350	Rifle	1lb 8lb
H4831	Rifle	1lb 8lb
H4831SC	Rifle	1lb 8lb
H1000	Rifle	1lb 8lb
H870	Rifle	1lb 8lb
Retumbo	Rifle	1lb 8lb
H50BMG	Rifle	1lb 8lb



Hodgdon

### Warning

Ballistic data shown in this manual was obtained in Hodgdon's laboratory under strictly controlled conditions.

Your reloads must contain the exact combinations listed in this manual. **NEVER EXCEED** charge recommendations in this manual.

Ballistic data varies considerably depending on many factors, including components used, how such components are assembled, the type of firearm used, and the reloading techniques and safety precautions utilized by the individual.

**NEVER** mix any two powders regardless of type, brand or source. **NEVER** substitute any smokeless powder for black powder or for Pyrodex\*.

Hodgdon specifically disclaims any warranties with respect to any and all products sold or distributed by it, the safety or suitability thereof, or the results obtained, whether express or implied, including without limitation, any implied warranty of merchantability or fitness for a particular purpose and/or any other warranty. Buyers and users assume all risk, responsibility and liability whatsoever for any and all injuries (including death), losses, or damages to persons or property (including consequential damages), arising from the use of any product or data, whether or not occasioned by seller's negligence or based on strict product liability or principles of indemnity or contribution. Hodgdon neither assumes nor authorizes any person to assume for it any liability in connection with the use of any product or data.

The individual assumes the risk of safe loading practices. Failure to do so or violation of any of the above warnings could result in severe personal injury (including death) or gun damage to the user or bystanders.

#### USE THIS DATA WITH HODGDON BRAND POWDERS ONLY

Reduce data 10% to start and work up. DO NOT EXCEED THE LOADS SHOWN IN THIS GUIDE.



**Charter Members** 

### Mission Statement

Our mission is to provide quality propellants, other products, and services to sportsmen, governing units, and other businesses in a manner which enhances the quality of life for our stockholders, employees, customers, associates, and suppliers. In doing so, we will deal with integrity and honesty, reflecting that people are more important than dollars and that our purpose is to bring credit to our Lord Jesus Christ.

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## Shotgun Usage

		Target				Ligi	нт Б	IELD		HEAVY FIELD					
8															
	12 GA	20 GA	28 GA	410 BORE	12 GA	16 GA	20 GA	28 GA	410 BORE	10 GA	12 GA	16 GA	20 GA	28 GA	410 BORE
CLAYS	Х				Х										
TITEWAD	Х				Х										
INTERNATIONAL	Х	Х			Х		Х								
TITEGROUP	Х				Х										
Universal	Х	Х	Х		Х	Х	Х	Х			Х				
HS-6			Х			Х	Х	Х		Х	Х	Х			
HS-7							Х	Х		Х	Х	Х	Х	Х	
LongShot	Х	Х	Х							Х	Х	Х	Х	Х	
H110				Х					Х						Х
LIL' GUN				Х					Х						Х

## Pistol Usage

	TARGET	LIGHT DUTY	Medium Duty	Magnum
•				
CLAYS	X	X		
TITEGROUP	X	X		
Universal	X	X	X	
HP-38	X	Х	X	
HS-6		X	X	
HS-7			X	Х
H110			X	Х
H4227			X	Х
Lil' Gun			Х	X

## Rifle Usage

						6.0
	Target	SILHOUETTE	LIGHT	MEDIUM	Magnum	50 Cal.
•						
H4227			X			
LIL'GUN			X			
H4198	Х		Χ			
H322	Х	Х	Χ	Х		
BENCHMARK	Х	X	Χ	Х		
H335	Х	X	Χ	Х		
H4895	Х	X	Χ	Х		
VARGET	Х	X	Χ	Х		
BL-C(2)	Х	X	Χ	Х		
H380		X		Х	Х	
H414		Х		Х	Х	
H4350		X		Х	Х	
H450				Х	Х	
H4831				Х	Х	
H4831 SC				Х	Х	
H1000				Х	Х	
<b>R</b> етимво					Х	
H870					Х	Х
H50BMG					Х	Х

## Smokeless Pistol & Shotgun Powders

In Order of Approximate Burning Rate

TITEWAD™ Through advanced technology, Hodgdon Powder Co. has produced a superior flattened spherical shotgun powder. Unlike spherical propellants in the past, TITEWAD features low charge weights, mild muzzle report, minimum recoil and reduced residue for optimum ballistic performance. This outstanding propellant designed for 12 gauge only, meters superbly and is ideal for 7/8, 1 and 11/8 ounce loads. As the name implies, "a little goes a long way!"

CLAYS™ Introduced in January, 1992, CLAYS has "taken the clay target world by storm". It is the most clean burning, consistent 12 ga. 7/8 oz., 1 oz. and 11/8 oz. powder available today. The superb burning characteristics of this powder produce soft, smooth recoil, ultra clean burning, mild muzzle report, and excellent patterns. These features transfer directly to handgun applications where target shooting is the main goal. 45 ACP and 38 Special are only two of the cartridges where CLAYS provides "tack driving" target accuracy with flawless functioning.

INTERNATIONAL™ INTERNATIONAL is the second in the "CLAYS" series of powders. It is positioned in burning speed to accommodate 12 ga., 2 3/4" light, medium and heavy 1 1/8 oz. loads, with some very nice 1oz. listings. Also, it works splendidly in 20 ga., 7/8 oz. target and light field loads. As with CLAYS, clean burning and flawless functioning is the rule.

<u>TITEGROUP</u><sup>TM</sup> As the name implies, this new spherical propellant was designed for accuracy. Because of the unique design, this powder provides flawless ignition with all types of primers including the lead-free versions. Unlike pistol powders of the past, powder position in large cases (45 Colt, 357 Magnum and others) has virtually no effect on velocity and performance. Cowboy Action, Bullseye and Combat Shooters should love this one! TITE-GROUP has it all, low charge weight, clean burning, mild muzzle report and superb, uniform ballistics.

<u>HP38™</u> \_HP38 is a spherical pistol powder that is great for low velocity and mid-range target loads in 38 Special, 44 Special and 45 ACP. This high energy powder provides economy in loading.

<u>UNIVERSAL™</u> UNIVERSAL handles the broadest spectrum of cartridges for both pistol and shotgun. From the 25 ACP to the 44 Magnum, UNIVERSAL provides outstanding performance. In shotgun, it produces excellent loads in 28 ga. 3/4 oz., 20 ga. 7/8 oz., 16 ga. 1 oz., and even 12 ga. 1 1/4 oz. As with all the "CLAYS" series powders, clean burning and uniformity are part of its attributes.

HS-6™ HS-6 is a fine spherical propellant that has wide application in pistol and shotshell. In pistol, 9mm, 38 Super, 40 S&W and 10mm Auto are some of the cartridges where HS-6 provides top performance. In shotshell HS-6 yields excellent heavy field loadings in 10 ga., 12 ga., 16 ga., 20 ga., and even the efficient and effective 28 ga. HS-6 is truly an outstanding spherical propellant.

LONGSHOT™ This new spherical shotshell powder is the most versatile heavy field propellant Hodgdon has ever produced. Great field loads in 10 ga., 12 ga., 16 ga., 20 ga., and 28 ga. are shown herein. This propellant provides true magnum velocities with superb patterns. In addition, LONGSHOT is the best choice for those competitors shooting "race" games such as "Buddy" shoots, "Annie Oakleys" and more.

► <u>H4227</u> H4227 is the fastest of our Extreme Extruded rifle propellants. Because of its' burning speed, it doubles as a magnum pistol powder. Top applications are the 22 Hornet, 357 Maximum, 357 Magnum, 44 Magnum and the mighty 454 Casull. For stability under extreme conditions, H4227 is the top choice.

H110<sup>™</sup> H110 is the spherical powder that screams "no wimps, please!" It delivers top velocities with top accuracy in the 44 Magnum, 454 Casull and the 475 Linebaugh. Silhouette shooters claim it is the most accurate 44 powder they have ever used. In addition, H110 is "the" choice for the miniscule 410 Bore shotgun. It handles all 2 1/2", 1/2 oz. loads, as well as all 11/16 oz. loads for the 3" version.

<u>LIL'GUNTM</u> The 410 BORE has long been difficult to load due to shortcomings in powder fit, metering, along with poor burning characteristics. Not any more! LIL'GUN was designed to fit, meter and perform flawlessly in the 410 BORE. No more spilled shot or bulged cases. In addition, LIL'GUN has many magnum pistol applications and is superb in the 22 Hornet.

Extreme Powders

## Smokeless Rifle Powders

In Order of Approximate Burning Rate

- ► <u>H4198</u> This Extreme Extruded propellant has gone through some changes since its inception, all the time maintaining the same important burning speed of the past. The kernels were shortened for improved metering and necessary elements were added to make it extremely insensitive to hot/cold temperatures. H4198 is outstanding in cartridges like the 222 Remington, 444 Marlin and the 7.62 x 39.
- ► <u>H322™</u> This powder has won more benchrest matches than all other propellants combined. It provides match grade accuracy in small and medium capacity cartridges like the 223 Remington, 6mm PPC and the 7mm TCU. As a fine extruded powder, it flows through powder measures with superb accuracy.
- ► <u>BENCHMARK™</u> As the name implies, this Extreme Extruded propellant was developed for precision cartridges. As such, it is ideally suited for benchrest and small varmint cartridges like the 6mm PPC, 22 PPC, 6mm BR, 22 BR, 223 Rem. and 222 Rem., Additionally, it performs superbly in the 308 Winchester with light

## Smokeless Rifle Powders

match bullets like the 147 gr. and 155 gr. versions. With small, easy metering granules, competitors will love how it flows through progressive presses.

H335™ H335 originated as a military powder, used for the 5.56 NATO, or 223 Remington as handloaders know it. Obviously, it sees endless use in the 222 Remington, 223 Remington and other small cartridges. In particular, prairie dog shooters will find this a favorite, as J.B. Hodgdon has for years!

- ► <u>H4895<sup>™</sup></u> H4895 is a most versatile rifle powder. This member of the Extreme Extruded line is great for 17 Remington, 250-3000 Savage, 308 Winchester and 458 Winchester, to name just a few. It is amazingly accurate in every cartridge where it is listed in our data. It had its origin in the 30-06 as a military powder and was the first powder Bruce Hodgdon sold to the loading public.
- ► <u>VARGET™</u> The first of Hodgdon's revolutionary Extreme Extruded Powders, VARGET features small extruded grains for uniform metering, insensitivity to hot/cold temperatures and higher energy for improved velocities over other powders in its burning speed class. Easy ignition and clean burning characterize other features that translate into superb accuracy, higher scores and more clean, one shot kills. Outstanding performance and velocity can be obtained in such popular cartridges as the 223 Remington, 22-250 Remington, 308 Winchester, 30-06, 375 H&H and many more.
- <u>BL-C(2)™</u> BL-C(2) is a spherical powder that began as a military powder used in the 7.62 NATO, commonly known as the 308 Winchester. When it was first introduced to the handloader, benchrest shooters and other target shooters made it an instant success. BL-C(2) works extremely well in the 223 Remington, 17 Remington, 22 PPC and of course, the 308 Winchester, plus many more.

H380™ H380 was an unnamed spherical rifle propellant when the late Bruce Hodgdon first used it. When a 38.0 grain charge behind a 52 grain bullet gave one hole groups from his 22 caliber wildcat (now called the 22-250), he appropriately named the powder H380. H380 is also a superb performer in the 220 Swift, 243, 257 Roberts and other fine varmint cartridges.

H414™ This spherical powder has an extremely wide range of use. From the 22-250 Remington to the 375 H&H, it will give excellent results. It is simply ideal in the 30-06. As with all of our spherical powders, it delivers incredibly consistent charge weights through nearly any type of powder measure. H414 yields similar results to H4350 in most cartridges, although charge weights will vary.

- ► <u>H4350</u> This Extreme Extruded propellant is a burning speed that has been known to shooters for decades. During that time, Hodgdon has modernized H4350 by shortening the grains for improved metering and making it insensitive to hot/cold temperatures. H4350 is great in such cartridges as the 243 Winchester, 6mm Remington, 270 Winchester, 338 Winchester Magnum and many more. For magnums with light to moderate weight bullets, it can't be beat!
- ► H4831™\_It is probably safe to say more big game has been taken with H4831 than any other powder. Bruce Hodgdon was the first supplier to introduce this popular burning rate in 1950. Since that time it has become a favorite for cartridges like the 270 Winchester, 25-06 Remington, 280 Remington and 300 Winchester Magnum. As an Extreme Extruded propellant it shares the fine quality of insensitivity to hot/cold temperatures, as well as superb uniformity from lot to lot.
- ► <u>H4831SC™</u> Ballistically, this Extreme Extruded powder is the exact copy of H4831. Physically, it has a shorter grain size, therefore, the designation SC or short cut. The shorter, more compact kernels allow the powder to flow through powder measures more smoothly, helping to alleviate the constant cutting of granules. With the smoother flow characteristics comes more uniform charge weights, while the individual grains orient more compactly, creating better loading density.
- ► <u>H1000™</u> This very slow burning Extreme Extruded powder is perfect for highly overbored magnums like the 7mm Remington Magnum, 7mm STW and the 30-378 Weatherby. In addition, with heavy bullets, H1000 gives top velocity and performance in such cartridges as the 6mm-284, 257 Weatherby, 270 Winchester, and 300 Winchester Magnum. In a short period of time this powder has achieved considerable notoriety among long range match shooters.
- ▶ RETUMBO\_This magnum powder was designed expressly for the really large overbored cartridges such as the 7mm Remington Ultra Magnum, 300 Remington Ultra Magnum, 30-378 Weatherby Magnum, etc. RETUMBO adds 40-100 fps more velocity to these cartiridges when compared to other normal magnum powders. In addition, it is an Extreme Powder, making it perfect for big game hunting under all types of conditions.

H870<sup>™</sup> This spherical powder is great for heavy bullets in big, overbore magnum loads. H870 is also used in the 50 caliber BMG and is the only surplus powder left in the canister line. Because it is inexpensive, it is frequently used in large capacity cases where economy is a major consideration.

► <u>H50BMG</u> As the name implies, this new generation Extreme Extruded rifle propellant is a clean burning powder designed expressly for the 50 caliber BMG cartridge. Because it shares the same technology as VARGET, H50BMG displays a high degree of thermal stability in temperature extremes.

Tests have conclusively proven that H50BMG yields very low extreme spreads in velocity and pressure. All this translates into small groups at extended ranges!

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#### The Favorite of Handloaders Since 1946



#### Smokeless Powders

## Properties

Smokeless powders, or propellants, are essentially mixtures of chemicals designed to burn under controlled conditions at the proper rate to propel a projectile from a gun.

Smokeless powders are made in three forms:

- 1. Thin, circular flakes or wafers
- 2. Small cylinders
- 3. Small spheres

Single-base smokeless powders derive their main source of energy from nitrocellulose.

The energy released from double-base smokeless powders is derived from both nitrocellulose and nitroglycerin.

All smokeless powders are extremely flammable; by design, they are intended to burn rapidly and vigorously when ignited.

Oxygen from the air is not necessary for the combustion of smokeless powders since they contain sufficient built-in oxygen to burn completely, even in an enclosed space such as the chamber of a firearm.

In effect, ignition occurs when the powder granules are heated above their ignition temperature. This can occur by exposing powder to:

- 1. A flame such as a match or primer flash.
- 2. An electrical spark or the sparks from welding, grinding, etc.
- 3. Heat from an electric hot plate or a fire directed against or near a closed container even if the powder itself is not exposed to the flame.

When smokeless powder burns, a great deal of gas at high temperature is formed. If the powder is confined, this gas will create pressure in the surrounding structure. The rate of gas generation is such, however, that the pressure can be kept at a low level if sufficient space is available or if the gas can escape.

In this respect smokeless powder differs from blasting agents or high explosives such as dynamite or blasting gelatin, although smokeless powder may contain chemical ingredients common to some of these products.

High explosives such as dynamite are made to detonate, that is, to change from solid state to gaseous state with evolution of intense heat at such a rapid rate that shock waves are propagated through any medium in contact with them. Such shock waves exert pressure on anything they contact, and, as a matter of practical consideration, it is almost impossible to satisfactorily vent away the effects of a detonation involving any appreciable quantity of dynamite.

Smokeless powder differs considerably in its burning characteristics from common "black powder."

Black powder burns essentially at the same rate out in the open (unconfined) as when in a gun.

When ignited in an unconfined state, smokeless powder burns inefficiently with an orange-colored flame. It produces a considerable amount of light brown noxious smelling smoke. It leaves a residue of ash and partially burned powder. The flame is hot enough to cause severe burns.

The opposite is true when it burns under pressure as in a cartridge fired in a gun. Then it produces very little smoke, a small glow, and leaves very little or no residue. The burning rate of smokeless powder increases with increased pressure.

continued Smokeless Powder Properties

If burning smokeless powder is confined, gas pressure will rise and eventually can cause the container to burst. Under such circumstances, the bursting of a strong container creates effects similar to an explosion.

For this reason, the Department of Transportation (formerly Interstate Commerce Commission) sets specifications for shipping containers for propellants and requires tests of loaded containers – under actual fire conditions – before approving them for use.

When smokeless powder in D.O.T. approved containers is ignited during such tests, container seams split open or lids pop off — to release gases and powder from confinement at low pressure.

# How to check for deterioration

Although modern smokeless powders are basically free from deterioration under proper storage conditions, safe practices require a recognition of the signs of deterioration and its possible effects.

Powder deterioration can be checked by opening the cap on the container and smelling the contents. Powder undergoing deterioration has an irritating acidic odor. (Don't confuse this with common solvent odors such as alcohol, ether and acetone.)

Check to make certain that powder is not exposed to extreme heat as this may cause deterioration. Such exposure produces an acidity which accelerates further reaction and has been known, because of the heat generated by the reaction, to cause spontaneous combustion.

Never salvage powder from old cartridges and do not attempt to blend salvaged powder with new powder. Don't accumulate old powder stocks.

The best way to dispose of deteriorated smokeless powder is to burn it out in the open at an isolated location in small shallow piles (not over 1" deep). The quantity burned in any one pile should never exceed one pound. Use an ignition train of slow burning combustible material so that the person may retreat to a safe distance before powder is ignited. For more instructions call Hodgdon Powder.

# Consideration for Storage

Smokeless powder is intended to function by burning, so it must be protected against accidental exposure to flame, sparks or high temperatures.

For these reasons, it is desirable that storage enclosures be made of insulating materials to protect the powder from external heat sources.

Once smokeless powder begins to burn, it will normally continue to burn (and generate gas pressure) until it is consumed.

D.O.T. approved containers are constructed to open up at low internal pressures to avoid the effects normally produced by the rupture or bursting of a strong container.

Storage enclosures for smokeless powder should be constructed in a similar manner:

- 1. Of fire-resistant and heat-insulating materials to protect contents from external heat.
- Sufficiently large to satisfactorily vent the gaseous products of combustion which would result if the quantity of smokeless powder within the enclosure accidentally ignited.

If a small, tightly enclosed storage enclosure is loaded to capacity with containers of smokeless powder, the walls of the enclosure will expand or move outwards to release the gas pressure – if the powder in storage is accidentally ignited.

Under such conditions, the effects of the release of gas pressure are similar or identical to the effects produced by an explosion.

Hence only the smallest practical quantities of smokeless powder should be kept in storage, and then in strict compliance with all applicable regulations and recommendations of the National Fire Protection Association.

## Recommendations for Storage

**STORE IN A COOL, DRY PLACE.** Be sure the storage area selected is free from any possible sources of excess heat and is isolated from open flame, furnaces, hot water heaters, etc. Do not store smokeless powder where it will be exposed to the sun's rays. Avoid storage in areas where mechanical or electrical equipment is in operation. Restrict from the storage areas heat or sparks which may result from improper, defective or overloaded electrical circuits.

DO NOT STORE SMOKELESS POWDER IN THE SAME AREA WITH SOLVENTS, FLAMMABLE GASES OR HIGHLY COMBUSTIBLE MATERIALS.

**STORE ONLY IN DEPARTMENT OF TRANSPORTATION APPROVED CONTAINERS.** Do not transfer the powder from an approved container into one which is not approved

**DO NOT SMOKE IN AREAS WHERE POWDER IS STORED OR USED.** Place appropriate "No Smoking" signs in these areas.

DO NOT SUBJECT THE STORAGE CABINETS TO CLOSE CONFINEMENT. STORAGE CABINETS SHOULD BE CONSTRUCTED OF INSULATING MATERIALS AND WITH A WEAK WALL, SEAMS OR JOINTS TO PROVIDE AN EASY MEANS OF SELF-VENTING.

**DO NOT KEEP OLD OR SALVAGED POWDERS.** Check old powders for deterioration regularly. Destroy deteriorated powders immediately.

**OBEY ALL REGULATIONS REGARDING QUANTITY AND METHODS OF STORING.** Do not store all your powders in one place. If you can, maintain separate storage locations. Many small containers are safer than one or more large containers.

**KEEP YOUR STORAGE AND USE AREA CLEAN.** Clean up spilled powder promptly. Make sure the surrounding area is free of trash or other readily combustible materials.

# 10-3 Smokeless Propellants

- **10-3.1** Quantities of smokeless propellants not exceeding 25 lb (11.3 kg), in shipping containers approved by the U.S. Department of Transportation, may be transported in a private vehicle.
- **10-3.2** Quantities of smokeless propellants exceeding 25 lb (11.3 kg) but not exceeding 50 lb (22.7 kg), transported in a private vehicle, shall be transported in a portable magazine having wood walls of at least 1 in. (25.4 mm) nominal thickness.
- 10-3.3 Transportation of more than 50 lb (22.7 kg) of smokeless propellants in a private vehicle is prohibited.
- **10-3.4** Commercial shipments of smokeless propellants in quantities not exceeding 100 lb (45.4 kg) are classified for transportation purposes as flammable solids when packaged according to U.S. Department of Transportation Hazardous Materials Regulations (Title 49, *Code of Federal Regulations*, Part 173.197a), and shall be transported accordingly.
- **10-3.5** Commercial shipments of smokeless propellants exceeding 100 lb (45.4 kg) or not packaged in accordance with the regulations cited in 10-3.4 shall be transported according to U.S. Department of Transportation regulations for Class B propellant explosives.
- **10-3.6** Smokeless propellants shall be stored in shipping containers specified by U.S. Department of Transportation Hazardous Materials Regulations.
- **10-3.7** Smokeless propellants intended for personal use in quantities not exceeding 20 lb (9.1 kg) may be stored in original containers in residences. Quantities exceeding 20 lb (9.1 kg), but not exceeding 50 lb (22.7 kg), may be stored in residences if kept in a wooden box or cabinet having walls of at least 1 in. (25.4 mm) nominal thickness.
- **10-3.8** Not more than 20 lb (9.1 kg) of smokeless propellants, in containers of 1 lb (0.45 kg) maximum capacity, shall be displayed in commercial establishments.

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#### continued 10-3 Smokeless Propellants

**10-3.9** Commercial stocks of smokeless propellants shall be stored as follows:

- a) Quantities exceeding 20 lb (9.1 kg), but not exceeding 100 lb (45.4 kg), shall be stored in portable wooden boxes having walls of at least 1 in. (25.4 mm) thickness.
- b) Quantities exceeding 100 lb (45.4 kg), but not exceeding 800 lb (363 kg), shall be stored in nonportable storage cabinets having walls of at least 1 in (25.4 mm) thickness. Not more than 400 lb (181 kg) may be stored in any one cabinet and cabinets shall be separated by a distance of at least 25 ft (7.63 m) or by a fire partition having a fire resistance of at least 1 hour.
- c) Quantities exceeding 800 lb (363 kg), but not exceeding 5,000 lb (2268 kg), may be stored in a building if the following requirements are met:
  - 1. The warehouse or storage room shall not be accessible to unauthorized personnel.
  - Smokeless propellant shall be stored in nonportable storage cabinets having wood walls at least 1 in. (25.4 mm) thick and having shelves with no more than 3 ft. (0.92 m) separation between shelves.
  - 3. No more than 400 lb. (181 kg) shall be stored in any one cabinet...
  - Cabinets shall be located against walls of the storage room or warehouse with at least 40 ft (12.2 m) between cabinets.
  - 5. Separation between cabinets may be reduced to 20 ft (6.1 m) if barricades twice the height of the cabinets are attached to the wall, midway between each cabinet. The barricades shall extend at least 10 ft. (3 m) outward, shall be firmly attached to the wall, and shall be constructed of 1/4 in. (6.4 mm) boiler plate, 2 in. (51 mm) thick wood, brick, or concrete block.
  - 6. Smokeless propellant shall be separated from materials classified by the U.S. Department of Transportation as flammable liquids, flammable solids, and oxidizing materials by a distance of 25 ft. (7.63 m) or by a fire partition having a fire resistance of at least 1 hour.
  - 7. The building shall be protected by an automatic sprinkler system installed according to NFPA 13, Standard for the Installation of Sprinkler Systems.
- d) Smokeless propellants not stored according to (a), (b) and (c) above shall be stored in a Type 4 magazine constructed and located according to Chapter 6.

Reprinted from NFPA495-85, Standard for the Manufacture, Transportation, Storage and Use of Explosive Materials, © 1985, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the NFPA on the referenced subject, which is represented by the Standard in its entirety.







The loads shown in this section should be followed just as they are printed. These loads are like recipes. The closer they are followed, the better the resultant load.

## Varnings NEVER Exceed the Loads Listed in

This Publication

For all brands of powders use only the components shown. If the reloader makes any changes in components or gets new lot numbers, he should begin again with the starting loads and work up to maximum cautiously.

For those loads listed where a starting load is not shown, start 10% below the suggested maximum load and then approach maximums carefully, watching for any sign of pressure (difficult extraction, cratered and flattened or blown primers, and unusual recoil). H110 Loads should not be reduced more than 3%.

Reduce H110 Loads 3% and work up from there. H110 if reduced too much will cause inconsistent ignition. In some cases it will lodge a bullet in the barrel, causing a hazardous situation (Barrel Obstruction). This may cause severe personal injury or death to users or bystanders. DO NOT REDUCE H110 LOADS BY MORE THAN 3%.

H4831SC has the same ballistic performance as H4831.

#### **Brands** BAR Barnes BER - Berger BLX - Bull-X - Freedom Arms HDY - Hornady NOS - Nosler Primers REM - Reminaton SIE - Sierra LR - Large Rifle SFT - Swift LRM - Large Rifle Magnum SPR - Speer SR - Small Rifle WIN - Winchester SRM - Small Rifle Magnum

#### Data

- Compressed Powder Charge

PR - Primer BBL - Barrel

COL - Cartridge Overall Length

RFF - Reformed

#### **Bullets**

A-Max - Hornady Match

- Bench Řest ΒT - Ballistic Tip

**FMC** - Full Metal Case FM.J - Full Metal Jacket

FM JBT - Full Metal Jacket Boat Tail

FN - Flat Nose FΡ - Flat Point

FP J - Full Plated Jacket

FS - Fail Safe GC Gas Check

- Gold Dot Hollow Point GDHP

GDSP - Gold Dot Soft Point

GS - Grand Slam HB - Hollow Base

HC. - Hollow Cavity

ΗP - Hollow Point HPBT - Hollow Point Boat Tail

- Hollow Soft Point HSP JFP. - Jacketed Flat Point

JHC. - Jacketed Hollow Cavity

JHP Jacketed Hollow Point JRN Jacketed Round Nose ISP Jacketed Soft Point

JSWC - Jacketed Semi-Wadcutter

LBBWC - Lead Bevel Base Wadcutter

Lead Flat Point

LHBWC - Lead Hollow Base Wadcutter

LRN Lead Round Nose LSWC - Lead Semi-Wadcutter

MK Match King

- Mag Tip Soft Point MT-SP **PSPCL** - Pointed Soft Point

"Core-Lokt"

Round Nose RN SB Solid Base

SJ Short Jacket SΡ Soft Point, Spitzer, Spire Point

Soft Point Boat Tail SPBT

ST Silvertip

Totally Metal Jacket TM.J **UCHP** Uni-cor Hollow Point

WC Wadcutter X Bullet Χ

XFB X Flat Base XBT - X Boat Tail

**XBTC** X Boat Tail Coated



BULLET POWDE	ER GR	VEL	CUP	BULLET	POWDE	R G	R VEL	CUP
BOLLET TOWN	-10 010	V L L	001					
17 REMINGTON		CASE	REMINGTON		C(2)	28.0	3428	47,100 CUP
BBL: 24"			NGTON 7 1/2		335	26.0	3393	51,700 CUP
25 GR. HDY HP	• • •	· ····	COL: 2.150"		4895 TNOUNAADK	27.5 C		51,300 CUP
25 GR. HDT HP H414	27.0	3989	48,300 CUP		ENCHMARK 322	26.5 24.0	3396 3301	50,400 CUP 49,300 CUP
H380	26.0	3950	46,100 CUP		322 4198	21.5	3223	45,900 CUP
VARGET	24.5	4123	50,800 CUP			21.5	3223	•
BL-C(2)	24.0	4051	49,000 CUP	55 GR. SP	ARGET	27.5 C	3384	<b>COL: 2.200</b> " 49,700 CUP
H335	21.0	3963	51,300 CUP		C(2)	27.5	3313	48,500 CUP
H4895	23.0	4033	48,500 CUP		335	25.3	3203	49,300 CUP
BENCHMARK	23.3	4038	50,600 CUP		48 <b>9</b> 5	26.0	3315	49,000 CUP
H322	21.8	3921	49,700 CUP	BE	ENCHMARK	25.6	3264	50,000 CUP
22 HORNET		CASE	WINCHESTER	H3	322	23.0	3106	48,900 CUP
BBL: 24"			CHESTER SR	H	4198	21.0	3150	47,600 CUP
35 GR. HDY V-MAX	• • •		COL: 1.725"	22 PPC			CASE	: SAKO (REF)
H4198	11.5 C	2420	26,300 CUP	BBL: 24"			PR: REMI	NGTON 7 1/2
H4227	11.6 C	2896	42,500 CUP	50 GR. SP	DD CD	• • •		COL: 2.065"
H110	12.3	3060	41,400 CUP		ARGET	29.5	3408	48,200 CUP
LIL'GUN	13.0	2842	24,000 CUP		C(2)	30.5	3316	47,000 CUP
45 GR. HDY SP			COL: 1.750"		335 ´	28.0	3418	50,000 CUP
H4198	11.5 C	2400	32,000 CUP	H4	4895	28.0	3347	46,500 CUP
H4227	9.8	2484	42,000 CUP	BE	ENCHMARK	29.0	3430	49,600 CUP
H110	10.4	2574	43,000 CUP	H3	322	26.0	3385	48,000 CUP
LIL'GUN	13.0	2787	31,600 CUP	53 GR. HD	OY HP			COL: 2.065"
222 REMINGTON		CASE	WINCHESTER	VA	ARGET	28.5	3363	48,900 CUP
BBL: 24"			CHESTER SR		C(2)	30.5	3288	48,000 CUP
40 GR. SIE SP	• • •		COL: 2.125"		335	27.5	3344	49,000 CUP
H335	25.0	3371	44,600 CUP		4895 -NOUNAADK	28.0	3321	49,000 CUP
H4895	24.0 C	3133	34,200 CUP		ENCHMARK	28.5	3368	49,400 CUP
BENCHMARK	25.0	3303	40,700 CUP	H.	322	26.0	3333	48,500 CUP
H322	23.0	3313	44,000 CUP	22 BR R	REMINGTO	N (	CASE: REMIN	NGTON (REF)
H4198	21.4	3480	45,700 CUP	BBL: 24"				NGTON 7 1/2
H4227	15.0	3040	45,100 CUP	50 GR. SP	R SP	• • •		COL: 1.945"
50 GR. HDY SP			COL: 2.130"		ARGET	33.5	3624	44,600 CUP
VARGET	25.0 C	3114	40,600 CUP	BL	C(2)	35.5	3649	49,000 CUP
BL-C(2)	25.0	3000	38,600 CUP		335	32.0	3628	48,800 CUP
H335	23.6	3120	45,700 CUP		4895	32.0	3606	48,000 CUP
H4895	23.8 C	3022	36,500 CUP		ENCHMARK	31.5	3618	49,700 CUP
BENCHMARK H322	24.0 22.2	3168 3079	45,800 CUP 43,200 CUP		322	30.5	3637	50,000 CUP
H4198	20.5	3160	44,200 CUP	53 GR. HI		22.0	2/20	COL: 2.065"
H4227	13.8	2668	44,000 CUP		ARGET	33.0	3638	51,100 CUP
117227	13.0	2000	44,000 001		C(2) 335	35.0 31.5	3592 3587	48,800 CUP 49,200 CUP
223 REMINGTON			WINCHESTER		4895	31.5	3566	49,200 CUP
BBL: 24"		PR: WIN	CHESTER SR		NCHMARK	30.5	3523	49,200 CUP
40 GR. NOS BT			COL: 2.280"		322	30.0	3544	48.400 CUP
VARGET	28.0 C	3674	47,200 CUP					
BL-C(2)	28.5	3612	45,400 CUP		REMINGTO	N		WINCHESTER
H335	28.0	3572	44,600 CUP	BBL: 24"			PR: WIN	CHESTER LR
H4895	27.5 C	3573	44,500 CUP	40 GR. NO			05	COL: 2.350"
BENCHMARK H322	27.3 25.5	3666 3574	51,000 CUP 48,000 CUP		414	41.0	3933	47,100 CUP
H4198	22.5	3601	49,600 CUP		380 NDCET	41.0	3855	39,200 CUP
	-2.0	J00 I			ARGET 4895	39.5 37.0	4135 4060	51,100 CUP 48,700 CUP
<b>50 GR. SPR SP</b> VARGET	27.5 C	3383	<b>COL</b> : <b>2.210</b> " 44,800 CUP		ENCHMARK		4114	50,100 CUP
WINGET	27.00	3303	11,000 001	DL	_14011141/11(1)	50.5	7117	55,100 551



DILLIFT	BOWDES	CD	\/⊏:	CLID	DILLICT	DOMES	D 05	) \/[-	CLID
BULLET	POWDER	GR	VEL	CUP	BULLET	POWDE	R GR	VEL.	CUP
50 GR. SIE		• •		COL: 2.350"	75 GR. SPI	• • • • • •	• • •		COL: 2.115"
10 GR. 31E		2.0	3579	48,900 CUP		RGET	28.0	2906	47,000 CUP
H4			3765	48,600 CUP		·C(2)	30.5	2974	47,800 CUP
H38	30 4		3742	45,300 CUP	H3:		27.0	2990	49,000 CUP
VAF	RGET 37	7.5	3834	50,400 CUP	H48	895	27.5	2981	48,500 CUP
BL-	C(2) 34	4.5	3740	48,400 CUP	BEI	NCHMARK	28.5	3037	50,100 CUP
H33	35 34		3753	48,700 CUP	H3:	22	26.0	2974	49,500 CUP
H48			3827	50,200 CUP	H41	198	21.0	2780	49,000 CUP
			3903	51,400 CUP	(1.114 DD I		ON	0405	DEMINISTRAL
H32	22 32	2.0	3628	50,300 CUP	BBL: 24"	REMINGT	JIN		REMINGTON NGTON 7 1/2
55 GR. SPF				COL: 2.350"				FK. KLIVII	
H43			3490	47,800 CUP	70 GR. NO:	<b>S BT</b> RGET	34.0	3342	<b>COL: 2.100</b> " 49,400 CUP
H4			3582	46,700 CUP		·C(2)	35.0	3289	49,400 CUP
H38			3713	50,700 CUP	H3:		31.0	3287	47,000 CUP
			3664	50,400 CUP		395 395	31.0	3188	47,000 CUP
	. ( )		3606	49,600 CUP		NCHMARK	31.6	3227	49,000 CUP
H3:			3589	51,100 CUP	H3:		30.0	3200	47,000 CUP
H48			3670 3674	49,300 CUP 50,200 CUP			• • •	0200	
H32			3480	49,800 CUP	80 GR. SPI	RGET	32.5	3159	<b>COL: 2.115</b> " 50,700 CUP
1102	22 30	J.U .	3400	47,000 001		·C(2)	33.0	3089	47,500 CUP
220 SWII	₹T		CASE: \	WINCHESTER	H3:		30.0	3090	48,000 CUP
BBL: 26"		_ P	PR: WIN	CHESTER LR		895	30.0	3100	47,000 CUP
40 GR. SIE	HP	• •		COL: 2.680"		NCHMARK	30.5	3048	49,400 CUP
H4		5.0	4213	51,600 CUP	H3:	22	28.0	3005	47,000 CUP
H38	30 44	4.0	4124	50,000 CUP	0.40.14//14	OLIFOTED			
			4113	49,800 CUP		CHESTER			WINCHESTER
H3:			4158	53,100 CUP	BBL: 24"			PR: WIN	CHESTER LR
H48	395 40	0.0	4126	52,000 CUP	70 GR. SPI		47.0	05/0	COL: 2.625"
50 GR. HD				COL: 2.680"	H4 <sup>-</sup>		46.0	3568	49,800 CUP
H4*			3826	49,600 CUP	H3		46.0	3567	48,900 CUP
H38			3947	53,800 CUP		RGET	40.5 39.0	3574 3384	50,100 CUP 50,400 CUP
			3770	50,200 CUP		·C(2) 895	39.5	3304 3477	49,200 CUP
	` '		3888	51,000 CUP		NCHMARK	39.3	3477	50,300 CUP
H33			3860	52,000 CUP			37.3	3471	•
H48		3.0	3840	51,200 CUP	<b>80 GR. SIE</b> H4		45.0	3404	<b>COL: 2.635</b> " 50,100 CUP
55 GR. HD		, ,	2/1/	COL: 2.680"	H38		41.2	3223	50,300 CUP
H48			3616	46,600 CUP		RGET	38.5	3355	50,300 CUP
H4:			3619	50,800 CUP		·C(2)	38.5	3242	50,600 CUP
H4 <sup>-</sup> H38			3833 3839	53,700 CUP 53,300 CUP		395	38.0	3307	50,100 CUP
			3645	51,900 CUP	100 GR. SF		• • •		COL: 2.650"
			3682	49,900 CUP		000 000	47.0 C	3000	49,800 CUP
H3:	, ,		3696	50,400 CUP	H48		42.0	2924	50,100 CUP
H48			3698	52,000 CUP		350	40.0	2973	51,000 CUP
				02,000 001	H4		40.0	2963	50,600 CUP
6мм РРС				AKO (REF)	H38		36.0	2770	50,100 CUP
BBL: 24"		PF	R: REMI	NGTON 7 1/2		RGET	33.7	2838	50,400 CUP
70 GR. NO	S BT			COL: 2.100"		895	33.0	2818	50,100 CUP
			3034	48,000 CUP	/ DE1	UNIOTON			
	` '		3012	47,500 CUP	6MM REN	IING I ON			WINCHESTER
H3:			3033	48,500 CUP	BBL: 24"			PK: KEMI	NGTON 9 1/2
H48			3034	46,500 CUP	70 GR. SIE			0	COL: 2.810"
			3149	50,500 CUP		350	50.5	3638	49,500 CUP
H32			3068	50,000 CUP	H41		48.5	3636	50,100 CUP
H41	198 22	2.0 2	2839	50,400 CUP	H3	RO	46.5	3533	50,000 CUP



BULLET	POWDE	ER GR	VEL	CUP	BULLET	POWDER	GR	VEL	CUP
	DOFT	40.0	0550	50.000.0UD					
	RGET	42.0	3550	50,000 CUP	H48			3208	
H4	1895	42.0	3588	49,500 CUP	H32	2 32	.0	3044	
BE	NCHMARK	40.7	3575	49,700 CUP	100 GR. NO	S PART			COL: 2.500"
80 GR. SP	R SP			COL: 2.775"	H48		.0	2890	002. 2.000
	1831	51.0	3358	49,400 CUP	H43	50 40	.0	2881	
	1350	47.0	3337	48,700 CUP	H41			3102	
	114	46.5	3381	49,300 CUP	H38			2998	
			3247	49,500 CUP	BL-		.0	2900	
	380 DCET	44.0							
	RGET	41.0	3379	50,600 CUP	H33		.0	2921	
H4	1895	39.5	3307	49,400 CUP	H48		.0	2988	
100 GR. S	PR BT			COL: 2.775"	H32	2 29	.0	2709	
	1000	50.0	3080	50,200 CUP	257 DODE	DTC		2125	DE1.111.0701
H4	1831	46.0	3042	50,700 CUP	257 ROBE	K12			REMINGTON
H4	1350	42.5	2999	50,100 CUP	BBL: 26"		!	R: KEIVII	NGTON 9 1/2
	114	42.0	2991	50,800 CUP	75 GR. HDY	HP			COL: 2.795"
	RGET	36.0	2933	50,200 CUP	H48	31 53	.0	3307	37,500 CUP
	1895	35.0	2889	49.400 CUP	H43	50 50	0.0	3422	44,000 CUP
	1093	33.0	2009	49,400 COP	H41		.0	3555	45,300 CUP
25_20 W/	INCHESTE	D	CASE	REMINGTON	H38			3563	45,600 CUP
BBL: 24"	INCLIESTE	-11		CHESTER SR		GET 41		3453	43,700 CUP
			FIX. WIIN		BL-		.0	3531	46,700 CUP
60 GR. HD				COL: 1.600"	H33	` '		3548	•
	322	15.0 C	1900	25,700 CUP					45,000 CUP
H4	1198	14.2 C	2101	25,800 CUP	H48			3561	47,300 CUP
H4	1227	10.2	1962	26,700 CUP	BEI	CHMARK 41	./	3434	45,000 CUP
H1	110	9.3	1931	26,600 CUP	90 GR. SIE	HPBT			COL: 2.775"
HS	S-7	7.0	1724	27,100 CUP	H48		.0	3236	39,500 CUP
					H43	50 46	.0	3040	43,700 CUP
25-35 W	INCHESTE	R	CASE:	WINCHESTER	H41			3368	44,400 CUP
BBL: 20"			PR: WIN	CHESTER LR	H38			3364	45,400 CUP
60 GR. HD	NV CD	• • •		COL: 2.305"		GET 40		3269	44,900 CUP
	-C(2)	30.0	2786	COL. 2.303	BL-			3231	45,000 CUP
	335	30.0	2792		H33	` '		3300	44,400 CUP
			2729						
	1895	30.0			H48	95 42	.0	3372	47,600 CUP
H4	1198	24.0	2717		100 GR. SP				COL: 2.770"
117 GR. H	IDY RN			COL: 2.600"	H48	31 49	.0	3010	44,100 CUP
BL	C(2)	27.0	2188		H43	50 45	.0	2970	45,400 CUP
H3	335	27.0	2199		H41	4 45	.0	3098	44,500 CUP
H4	1895	27.0	2207		H38	0 44	.0	3108	46,600 CUP
H4	1198	20.0	2014			GET 38		2981	44,900 CUP
					BL-			2958	45,400 CUP
250-300	0 SAVAGE		CASE	REMINGTON	H33	` '		3042	47,800 CUP
BBL: 26"				NGTON 9 1/2	H48			2990	46,100 CUP
75 GR. SIE	• • • • • •	• • •		COL: 2.450"	1140	,, 30		2770	-0,100 COP
			2222	JUL. 2.400	25-06 RE	MINGTON		CASE	REMINGTON
		420							
H4	1350	42.0	3222		RRI · 24"			PR∙RFMI	NGTON 9 1/2
H4 H4	1350 114	44.0	3460		BBL: 24"		• • •	PR: REMI	NGTON 9 1/2
H4 H4 H3	1350 114 380	44.0 42.0	3460 3393		90 GR. SIE	HPBT	• •		COL: 3.100"
H4 H4 H3 BL	1350 114 380 C(2)	44.0 42.0 38.0	3460 3393 3299		<b>90 GR. SIE</b> H10	<b>HPBT</b> 00 62	.0 C	3330	COL: 3.100" 47,500 CUP
H4 H4 H3 BL H3	1350 114 380 C(2) 335	44.0 42.0 38.0 37.0	3460 3393 3299 3258		<b>90 GR. SIE</b> H10 H48	<b>HPBT</b> 00 62 31 58	2.0 C	3330 3481	<b>COL: 3.100"</b> 47,500 CUP 50,400 CUP
H4 H4 H3 BL H3	1350 114 380 C(2) 335 1895	44.0 42.0 38.0 37.0 38.0	3460 3393 3299 3258 3380		<b>90 GR. SIE</b> H10 H48 H43	<b>HPBT</b> 00 62 31 58 50 53	2.0 C 3.0 3.0	3330 3481 3370	<b>COL: 3.100"</b> 47,500 CUP 50,400 CUP 50,700 CUP
H4 H4 H3 BL H3	1350 114 380 C(2) 335	44.0 42.0 38.0 37.0	3460 3393 3299 3258 3380 3194		<b>90 GR. SIE</b> H10 H48	<b>HPBT</b> 00 62 31 58 50 53	2.0 C 3.0 3.0	3330 3481	<b>COL: 3.100"</b> 47,500 CUP 50,400 CUP
H4 H4 H3 BL H3 H4	1350 114 380 C(2) 335 1895	44.0 42.0 38.0 37.0 38.0	3460 3393 3299 3258 3380		<b>90 GR. SIE</b> H10 H48 H43 H41	<b>HPBT</b> 00 62 31 58 50 53	2.0 C 3.0 3.0	3330 3481 3370	<b>COL: 3.100"</b> 47,500 CUP 50,400 CUP 50,700 CUP
H4 H4 H3 BL H3 H4	1350 114 380 C(2) 335 1895 322 1198	44.0 42.0 38.0 37.0 38.0 34.0	3460 3393 3299 3258 3380 3194	COI - 2 450"	<b>90 GR. SIE</b> H10 H48 H43 H41	HPBT 00 62 31 58 50 53 4 51 GET 45	2.0 C 3.0 3.0	3330 3481 3370 3315	COL: 3.100" 47,500 CUP 50,400 CUP 50,700 CUP 50,200 CUP
H4 H3 BL H3 H4 H3 H4	1350 114 1380 C(2) 335 1895 322 1198	44.0 42.0 38.0 37.0 38.0 34.0 30.0	3460 3393 3299 3258 3380 3194 3169	COL: 2.450"	<b>90 GR. SIE</b> H10 H48 H43 H41 VAR H48	HPBT       00     62       31     58       50     53       4     51       GET     45       95     44	2.0 C 3.0 3.0 3.0 3.0	3330 3481 3370 3315 3312	COL: 3.100" 47,500 CUP 50,400 CUP 50,700 CUP 50,200 CUP 50,400 CUP 51,000 CUP
H4 H4 H3 BL H3 H4 H3 H4 <b>87 GR. SP</b>	1350 114 880 C(2) 335 1895 322 1198 <b>R SP</b>	44.0 42.0 38.0 37.0 38.0 34.0 30.0	3460 3393 3299 3258 3380 3194 3169	COL: 2.450"	90 GR. SIE H10 H48 H43 H41 VAR H48	HPBT 00 62 31 58 50 53 4 51 GET 45 95 44 S PART	2.0 C 3.0 3.0 3.0 3.0 3.0	3330 3481 3370 3315 3312 3257	COL: 3.100" 47,500 CUP 50,400 CUP 50,700 CUP 50,200 CUP 50,400 CUP 51,000 CUP COL: 3.200"
H4 H3 BL H3 H4 H3 87 GR. SP	1350 114 1380 C(2) 335 1895 322 1198 <b>R SP</b> 1350	44.0 42.0 38.0 37.0 38.0 34.0 30.0 41.0 42.0	3460 3393 3299 3258 3380 3194 3169 3063 3297	COL: 2.450"	90 GR. SIE H10 H48 H43 H41 VAR H48 100 GR. NO	HPBT 00 62 31 58 50 53 4 51 GET 45 95 44 S PART 00 59	2.0 C 3.0 3.0 .0 5.0 5.0	3330 3481 3370 3315 3312 3257	COL: 3.100" 47,500 CUP 50,400 CUP 50,700 CUP 50,200 CUP 50,400 CUP 51,000 CUP COL: 3.200" 50,700 CUP
H4 H3 BL H3 H4 H3 H4 87 GR. SP H4 H4	1350 114 1880 C(2) 335 1895 322 11198 • <b>R SP</b> 1350 114	44.0 42.0 38.0 37.0 38.0 34.0 30.0 41.0 42.0 41.0	3460 3393 3299 3258 3380 3194 3169 3063 3297 3210	COL: 2.450"	90 GR. SIE H10 H48 H43 H41 VAR H48 100 GR. NO H10 H48	HPBT 00 62 31 58 50 53 4 51 GET 45 95 44 S PART 00 59 31 54	2.0 C 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.7 C	3330 3481 3370 3315 3312 3257 3212 3172	COL: 3.100" 47,500 CUP 50,400 CUP 50,700 CUP 50,200 CUP 51,000 CUP COL: 3.200" 50,700 CUP 51,400 CUP
H4 H3 BL H3 H4 H3 H4 87 GR. SP H4 H4 H3 BL	1350 114 880 C(2) 1335 1895 1822 11198 <b>R SP</b> 1350 1114 1380 C(2)	44.0 42.0 38.0 37.0 38.0 34.0 30.0 41.0 42.0 41.0 36.0	3460 3393 3299 3258 3380 3194 3169 3063 3297 3210 3114	COL: 2.450"	90 GR. SIE H10 H48 H43 H41 VAR H48 100 GR. NO H10 H48 H43	HPBT 00 62 31 58 550 53 4 51 4 51 45 50 50 50 50 50 50 50 50 50 50 50 50 50	2.0 C 3.0 3.0 3.0 3.0 3.0 3.7 C 3.3	3330 3481 3370 3315 3312 3257 3212 3172 3155	COL: 3.100" 47,500 CUP 50,400 CUP 50,700 CUP 50,200 CUP 50,400 CUP 51,000 CUP 50,700 CUP 51,400 CUP 51,500 CUP
H4 H3 BL H3 H4 H3 H4 87 GR. SP H4 H4 H3 BL	1350 114 1880 C(2) 335 1895 322 11198 • <b>R SP</b> 1350 114	44.0 42.0 38.0 37.0 38.0 34.0 30.0 41.0 42.0 41.0	3460 3393 3299 3258 3380 3194 3169 3063 3297 3210	COL: 2.450"	90 GR. SIE H10 H48 H43 H41 VAR H48 100 GR. NO H10 H48	HPBT 00 62 31 58 550 53 4 51 4 51 45 50 50 50 50 50 50 50 50 50 50 50 50 50	2.0 C 3.0 3.0 3.0 3.0 3.0 3.7 C 3.3	3330 3481 3370 3315 3312 3257 3212 3172	COL: 3.100" 47,500 CUP 50,400 CUP 50,700 CUP 50,200 CUP 51,000 CUP COL: 3.200" 50,700 CUP 51,400 CUP



BULLET	POWDE	ER GR	VEL	CUP	BULLET	POWDER	GR	VEL	CUP
VAF	RGET	44.0	3125	51,400 CUP					
H48		43.0	3072	51,000 CUP	6.5 X 55M	м SWEDISH	MAU		
		• • •	0072	COL: 3.150"	DD1 0411				WINCHESTER
120 GR. SF	TUMBO	60.0C	2991	50,300 CUP	BBL: 24"			PR: WIN	CHESTER LR
H10		55.5	2902	50,600 CUP	120 GR. NO				COL: 3.000"
H48		51.5	2856	51,200 CUP	H48		5 C	2802	45,900 CUP
H43		47.5	2816	50,900 CUP	H43			2792	45,800 CUP
	RGET	41.0	2755	51,900 CUP	H41			2783	46,000 CUP
H48		40.0	2694	51,700 CUP	H38			2784	46,000 CUP
		1010	2071			RGET 39.		2812	45,300 CUP
257 WEA	THERBY I	Magnun		WEATHERBY	H48	95 37.	8	2715	46,000 CUP
BBL: 26"			PR: F	EDERAL 215	140 GR. SP				COL: 3.030"
100 GR. NO	S PART			COL: 3.185"	H10	00 51.	5 C	2651	46,000 CUP
H87	70	0.08	3463	53,000 CUP	H48	31 47.	0	2586	45,700 CUP
H10	000	71.0	3351	46,900 CUP	H43			2617	45,700 CUP
H48	331	68.0	3436	52,300 CUP	H41	4 41.	5	2565	45,600 CUP
H43	350	62.0	3319	51,200 CUP	H38			2520	45,100 CUP
120 GR. SP	R SP	• • •		COL: 3.170"		RGET 36.		2528	46,000 CUP
H87	70	76.0	3240	53,200 CUP	H48	195 35.	8	2493	45,700 CUP
H10	000	68.0	3231	50,800 CUP	6 Erara DE	MINGTON	MACI	II IN/I	
H48	331	65.0	3220	51,500 CUP	O. SIVIIVI KL	.iviiivG i Oiv i	VIAGI		REMINGTON
260 REM	INCTON		0405	DEMINISTON	BBL: 26"		PR		TON 9 1/2 M
BBL: 24"	INGTON			REMINGTON NGTON 9 1/2					COL: 2.940"
		• • •	FK. KLIVII		<b>100 GR. HD</b> H48		0	3416	48,100 CUP
95 GR. HD		10.7	2204	COL: 2.780"	H43			3327	51,700 CUP
H43 H41		49.7	3284 3313	58,100 PSI	H41			3466	52,600 CUP
H38		49.0 47.0	3262	58,600 PSI 59,500 PSI	H38			3459	52,800 CUP
	RGET	47.0	3244	58,500 PSI	H48			3475	52,200 CUP
	C(2)	43.5	3236	58,300 PSI			•	0170	·
H33	. ,	38.3	3114	58,000 PSI	<b>120 GR. SP</b> H48		Λ	3286	<b>COL: 2.790</b> " 51,000 CUP
H48		40.8	3225	58,500 PSI	H43			3080	51,200 CUP
	NCHMARK	43.5	3391	59,600 PSI	H41			3099	51,700 CUP
		43.3	3371	·	H38			3059	50,900 CUP
120 GR. SP		E1 0 C	2810	COL: 2.780"	H48			3081	50,900 CUP
H10 H48		51.0 C 50.0 C	2954	49,300 PSI 59,200 PSI				3001	•
H43		46.5	2960	58,200 PSI	<b>140 GR. NO</b> H48		Λ	2943	<b>COL: 2.790</b> " 51,400 CUP
H41		45.5	2968	58.624 PSI	H43			2743	51,400 CUP
H38		43.0	2844	58,100 PSI	H41			2743	51,200 CUP
	RGET	39.0	2877	58,300 PSI	H38			2666	51,100 CUP
	C(2)	40.0	2840	58,900 PSI	H48			2752	49.200 CUP
H33	` '	36.7	2755	58,600 PSI	1140	173 42.	<u> </u>	2132	47,200 001
H48		38.0	2813	58,900 PSI	264 WINC	HESTER MA	AGNU	M CASE:	WINCHESTER
	NCHMARK	40.0	2935	59,500 CUP	BBL: 26"			PR: WIN	CHESTER LR
		• • •			120 GR. SP		•		COL: 3.300"
<b>140 GR. NO</b> H10		50.5	2730	<b>COL</b> : <b>2.780</b> " 57,000 PSI	H10		0	3185	49,000 CUP
H48		45.7	2686	59,000 PSI	H48	31 65.	0	3369	52,100 CUP
H43		42.0	2677	58,800 PSI	H43	50 57.	0	3190	52,900 CUP
H41		41.0	2656	58,800 PSI	140 GR. NO		•		COL: 3.260"
H38		40.0	2594	58,900 PSI	H87		0	3163	54,200 CUP
	RGET	36.0	2578	59,400 PSI	H10			3019	51,500 CUP
	C(2)	36.6	2557	59,000 PSI	H48			3065	52,000 CUP
H48		34.3	2517	58,400 PSI	H43			2965	53,400 CUP
1140	,,,	57.5	2011	30,700 I JI	1143		~	2700	55,750 OUF



BULLET	POWDE	R GR	VEL	CUP	BULLE	T POWDE	R GR	VEL	CUP
270 WING	HESTER		CASE: \	WINCHESTER	7 <sub>MM</sub> -08	B REMINGTO	ON	CASE:	REMINGTON
BBL: 24"	JILS I LIX			CHESTER LR	BBL: 24				NGTON 9 1/2
		• • •					• • • •	IX. IXLIVII	
130 GR. HD		(100	2025	COL: 3.280"		NOS BT	F0.0.0	0000	COL: 2.800"
H10		64.0 C	3025	48,100 CUP		H4350	50.0 C	3039	44,600 CUP
H48		60.0 C	3019	51,000 CUP		H414	49.0	3023	47,600 CUP
H43		54.3	3012	50,500 CUP		H380	48.0	2977	43,400 CUP
H41		53.5	3003	50,800 CUP	,	VARGET	45.0	3117	49,900 CUP
H38		49.8	2884	51,000 CUP		BL-C(2)	46.5	3109	50,100 CUP
VAR	RGET △	46.0	2931	49,600 CUP		H335	42.0	2984	49,400 CUP
H48	195	45.0	2922	51,000 CUP		H4895	43.7	3085	49,700 CUP
140 GR. SF	T SP	• • •		COL: 3.280"		BENCHMARK	41.3	2968	49,000 CUP
H10	100 6	53.0 C	2979	50,800 CUP	140 GR.		• • •		
H48		58.0 C	2888	50,100 CUP		H4350	48.0 C	2868	COL: 2.750" 49,800 CUP
H43		52.0	2870	50,400 CUP					49,500 CUP
H41		48.9	2788	49,800 CUP		H414	46.0	2791	
		43.7	2772	50.500 CUP		H380	45.7	2775	49,400 CUP
H48		42.6	2768	50,600 CUP		VARGET	42.2	2819	49,800 CUP
		12.0	2700			BL-C(2)	42.5	2796	49,700 CUP
150 GR. HD				COL: 3.285"		H335	37.5	2647	49,800 CUP
H10		59.0 C	2831	51,000 CUP		H4895	40.5	2769	49,700 CUP
H48		55.7	2804	51,200 CUP		BENCHMARK	38.3	2688	49,300 CUP
H43		49.0	2724	51,000 CUP	150 CP	SIE HPBT	• • •		COL: 2.800"
H41	4	48.0	2706	51,200 CUP		H4350	48.5 C	2823	50,300 CUP
070 14/5 47						H414	46.5	2776	50,000 CUP
	THERBY M	IAGNUIV	I CASE:	WEATHERBY		H380	45.5	2748	49,900 CUP
BBL: 26"				PR: CCI 250		VARGET	41.3	2731	50,000 CUP
130 GR. SP	R SP			COL: 3.250"		BL-C(2)	41.5	2699	49,600 CUP
H87	0 '0	30.0	3214				37.5		49,900 CUP
H10	000	31.0	3259			H335		2605	
H48	31	70.0	3205			H4895	40.5	2723	50,000 CUP
H43	50 <i>6</i>	56.0	3262			BENCHMARK	38.5	2667	50,200 CUP
150 GR. NO	S PART	• • •		COL: 3.250"	7 X 57	им MAUSEF	,	CASE	WINCHESTER
H87		79.0	2943	002. 0.200	BBL: 24		•		CHESTER LR
H10		79.0	3132						
H48		58.0	3057			NOS BT	F0 F 0	0777	COL: 3.000"
H43		53.0	2986			H4831	52.5 C	2777	40,800 CUP
			2,00			H4350	51.0 C	2945	45,800 CUP
7-30 WA	ΓERS		CAS	SE: FEDERAL		H414	51.0	2938	45,600 CUP
BBL: 24"			PR: F	EDERAL 210		H380	47.5	2860	46,000 CUP
120 GR. NO	C ED	• • •		COL: 2.500"		VARGET	44.0	2979	46,000 CUP
H48	31 4	41.0	2561	COL. 2.300		H4895	42.0	2859	45,400 CUP
H43		41.0	2724			BENCHMARK	41.5	2863	46,000 CUP
H41		42.0	2757		140 GP	NOS BT			COL: 3.000"
H38		41.0	2735			H4831	49.5 C	2719	46,000 CUP
BL-		37.0	2701			H4350	46.5	2682	46,000 CUP
H33		34.0	2683			H414	47.0	2715	46,000 CUP
H48		34.0 34.0	2733			H380	44.0	2614	46,000 CUP
						VARGET	37.7	2516	46,000 CUP
H32		32.0	2687			H4895	37.5	2530	45,800 CUP
139 GR. HD				COL: 2.252"					
H48		39.0	2384			BENCHMARK	38.0	2571	45,700 CUP
H43		38.0	2418			SIE HPBT			COL: 3.000"
H41		38.0	2442			H1000	52.0 C	2485	46,000 CUP
H38	30	36.0	2396			H4831	46.0	2393	43,900 CUP
BL-	C(2) 3	35.0	2373			H4350	42.5	2378	44,100 CUP
H33	5 3	32.0	2430		1	H414	42.5	2378	45,000 CUP
H48	195	31.0	2458			H380	39.5	2272	44,500 CUP
H32	2 2	29.0	2342		,	VARGET	37.5	2404	45,500 CUP



DULLET	DOWD	-D OD	\/EI	OUD	DULLET	DOWNE	-D OD	\/=1	OUD
BULLET	POWDE	ER GR	VEL	CUP	BULLET	POWDE	R GR	VEL	CUP
H48	895	34.5	2211	42,600 CUP	H41	4	60.0	3153	62,900 PSI
BEI	NCHMARK	36.0	2336	46,000 CUP	H38	0	57.5	3069	62,600 PSI
280 REM	INICTON		CASE	: REMINGTON	VAF	GET .	53.5	3068	62,300 PSI
BBL: 24"	INGTON			NGTON 9 1/2	160 GR. NO	S PART			COL: 2.825"
120 GR. BA	ND VER	• • •		COL: 3.200"	H10		67.0 C	2931	63,300 PSI
H48		62.0 C	3112	48,600 CUP	H48		60.5	2900	62,600 PSI
H43	350	56.0	3114	48,400 CUP	H43		56.5	2914	63,100 PSI
H41	14	54.5	3085	48,100 CUP	H41		56.0	2905	62,700 PSI
H38	80	51.0	2952	48,700 CUP	H38	iO	53.5	2824	62,700 PSI
	RGET	47.2	3032	47,600 CUP	175 GR. HD				COL: 2.825"
	·C(2)	46.5	2908	48,000 CUP		UMBO	66.0 C	2863	62,700 PSI
H48	895	47.0	3020	48,300 CUP	H10		65.5 C	2817	62,800 PSI
140 GR. NO				COL: 3.230"	H48		58.0	2760	62,900 PSI
H48		58.5	2927	48,500 CUP	H43		54.5	2775	63,100 PSI
H4、 H4	350 14	53.5 51.0	2918 2867	48,500 CUP 47,900 CUP	H41	4	54.5	2778	63,200 PSI
	RGET	45.5	2838	48,100 CUP	7мм REM	MAGNU	IM	CASE	WINCHESTER
H48		45.2	2830	48,400 CUP	BBL: 24"				CHESTER LR
160 GR. SF		• • •	2000	COL: 3.240"	140 GR. NO	S PART	• • •		COL: 3.250"
	000	61.0 C	2714	47,500 CUP		UMBO	75.0 C	3107	49,400 CUP
H48		55.0	2660	49,500 CUP	H10	000	70.0	3036	50,600 CUP
H43	350	49.5	2610	48,900 CUP	H48	31	64.0	2950	50,200 CUP
H41		47.5	2558	49,700 CUP	H43	50	59.0	2927	50,000 CUP
	RGET	42.5	2555	49,300 CUP	H41	4	60.2	2967	49,300 CUP
H48	895	41.5	2535	49,500 CUP	162 GR. HD	Y SPRT	• • •		COL: 3.290"
284 WING	CHESTER		CASE.	WINCHESTER	H87		80.0	2883	43,300 CUP
BBL: 22"	OLILOTEIX			CHESTER LR	RET	UMBO	73.5 C	2963	50,500 CUP
120 GR. SF	DR SP	• • •		COL: 2.800"	H10	000	70.0	2905	49,600 CUP
H48		59.0	3036	OOL. 2.000	H48	31	64.0	2871	49,800 CUP
H43	350	56.0	3090		H43	50	58.0	2799	49,400 CUP
H38		51.0	3023		175 GR. NO	S PART			COL: 3.290"
	·C(2)	48.0	2934		H87	0	77.0	2782	46,300 CUP
H33		47.0	2922		RET	UMBO	68.0 C	2800	51,200 CUP
H48	895	47.0	3104		H10		64.5	2692	50,400 CUP
140 GR. SI		F0.0	0054	COL: 2.800"	H48		58.0	2660	50,200 CUP
H48		58.0	2954		H43	50	54.0	2617	51,400 CUP
H43	350 80	54.0 48.0	2957 2856		7 <sub>MM</sub> WEA	THFRRV	MAGNIIN	/ CASE	REMINGTON
H3:		46.0	2869		BBL: 24"	IIILINDI	WINGING		DERAL 215 M
H48		45.0	2847		140 GR. SF	O O O O	• • •		COL: 3.250"
162 GR. HI	OV RTSP	• • •		COL: 2.905"	H10		79.0 C	3273	49,900 CUP
H8		63.0	2560	OOL. 2.703	H48		74.0	3258	54,000 CUP
H48	831	57.0	2803		H43	50	68.5	3248	54,000 CUP
H43	350	52.0	2754		160 GR. BA	D YFR	• • •		COL: 3.250"
H41		50.0	2794		H10		75.0 C	2994	50,800 CUP
H38		46.0	2675	47 000 OUD	H48		70.0	2971	53,900 CUP
	·C(2)	46.5	2754	47,000 CUP	H43		65.0	2950	53,900 CUP
H33 H48		44.0 42.0	2686 2641		175 GR. HD	Y SP	• • •		COL: 3.350"
F140	J /J	42.U	2041		H87		80.0	2843	44,300 CUP
	1. S.A. UL			: REMINGTON	H10		74.7 C	3022	54,000 CUP
BBL: 24"		PR	R: REMINO	STON 9 1/2 M	H48		67.5	2895	53,400 CUP
140 GR. NO	OS BT			COL: 2.825"	H43		63.7	2899	53,600 CUP
H48		64.5 C	3099	63,100 PSI					
H43	350	60.0	3122	63,200 PSI					



BULLET	POWDI	ER GR	VEL	CUP	BULLET	POWDE	:R /	GR VEL	CUP
BULLET	FOWDI	LIN GR	V⊏L	CUF					
7 <sub>MM</sub> SHOC	TING TI	MES WE	STEDNI	- D		C(2)	37.0	2358	33,900 CUP
7 IVIIVI 31 IOC	/IIIVO II	IVILO VVL		ASE: FEDERAL	H33		33.0	2308	36,200 CUP
BBL: 24"				DERAL 215 M	H48		34.0 29.0	2390	36,700 CUP
145 GR. SPR	SP	• • •		COL: 3.565"	H41	ICHMARK	24.0	2183 2110	37,200 CUP 36,800 CUP
	JMBO	81.5 C	3195	53,700 CUP			24.0	2110	·
H100		77.0	3120	52,100 CUP	170 GR. SII	E FP RGET	33.0	2168	<b>COL</b> : <b>2.550</b> " 36,500 CUP
H483	31	72.0	3063	52,300 CUP		C(2)	36.0	2227	34,700 CUP
160 GR. SFT				COL: 3.565"	H33		30.5	2086	36,300 CUP
H50E		90.0 C	2970	46,600 CUP	H48		30.5	2138	35,200 CUP
H501 H870		86.0 C 90.0	2877 3097	45,700 CUP 46,100 CUP	BEN	ICHMARK	27.0	2001	36,100 CUP
	JMBO	80.2 C	3056	53,600 CUP	H41	198	22.5	1918	32,600 CUP
H100		80.7	3084	51,500 CUP	30-40 KR	۸G		CACE	WINCHESTED
H483	31	74.0	3037	52,300 CUP	BBL: 24"	AU		CASE	WINCHESTER PR: CCI 200
175 GR. NOS	S PART	• • •		COL: 3.585"	150 GR. NO	O O O O O	• • •		COL: 3.090"
H50E		89.0 C	2973	52,300 CUP	130 GK. NC		49.0	2306	COL. 3.090
H501		85.0 C	2921	51,600 CUP	H43		49.0	2388	
H870		89.0	3059	51,800 CUP	H41	14	47.0	2531	
H100	JMBO	77.0 C	2967	54,200 CUP	H38	30	44.0	2489	
	JU	74.0	2944	51,900 CUP	BL-	C(2)	37.0	2491	
7мм REM.	<b>ULTRA</b>	MAG.	CASE	: REMINGTON	H33		37.0	2508	
BBL: 24"		PR	: REMINO	GTON 9 1/2 M	H48		42.0	2575	
140 GR. BAF	R XBT			COL: 3.560"	H32		40.0	2518	
H50E		107.0 C	3271	62,400 PSI	H41		32.0	2366	
H870		106.0	3349	60,300 PSI	180 GR. SF		47.0	0110	COL: 3.090"
	JMBO	96.5 C	3353	62,900 PSI	H43 H41		46.0 43.0	2110 2276	
H100 H483		95.0 87.0	3277 3279	62,700 PSI 63,100 PSI	H38		40.0	2182	
		07.0	3217			C(2)	33.0	2006	
160 GR. NOS H50E		100.0	3144	COL: 3.600" 63,400 PSI	H33	` '	34.0	2049	
H870		100.0	3214	63,100 PSI	H48	395	38.0	2265	
	JMBO	94.0	3212	62,800 PSI	H32	22	37.0	2250	
H100	00	91.0	3167	63,500 PSI	200 6 4 1/4	1CE		0405	DEMINISTON
175 GR. SFT	SP			COL: 3.600"	300 SAV/ BBL: 22"	AGE			REMINGTON INGTON 9 1/2
H50E		96.0	3019	63,100 PSI		O O O O O		I IX. IXLIV	
H870		99.0	3093	62,500 PSI	150 GR. NO	C(2)	39.0	2574	COL: 2.520"
	JMBO	91.5	3069	63,400 PSI	H33		39.0	2545	
H100	JU	87.0	3021	63,500 PSI	H48		40.0	2408	
30 CARBIN	ΝE		CASE:	WINCHESTER	180 GR. HE	Y SP	• • •		COL: 2.600"
BBL: 20"				PR: CCI 400		C(2)	35.0	2069	
85 GR. SIE R		1550	0101	COL: 1.625"	H33		35.0	2074	
H422 H110		15.5 C 17.5	2181 2458	30,700 CUP 34,800 CUP	H48	395	37.0	2130	
		17.0	2430	•	307 WIN	CHESTFF	₹	CASF:	WINCHESTER
100 GR. SPR LIL'C		15.0	2132	COL: 1.625" 28,300 CUP	BBL: 20"	<b></b>	-		ICHESTER LR
		10.0	2102	•	150 GR. HE	Y RN	• • •		COL: 2.520"
110 GR. HD\ H422		14.5 C	2003	<b>COL: 1.680</b> " 38,800 CUP	H48		49.0	2349	
H110		15.0	2106	36,500 CUP	H43		48.0	2453	
LIL'C	GUN	15.0	2064	29,800 CUP	H41		49.0	2562	
20. 20 14/14	ICHECT	-D	0405	MUNICUECTES	H38		48.0	2543	
30-30 WIN BBL: 24"	ICHE211	-K		WINCHESTER ICHESTER LR		C(2)	46.0	2593	
		• • •	r IX. VVIIV		H33 H48		44.0 42.0	2590 2604	
150 GR. SIE VARO		34.5	2349	<b>COL: 2.550</b> " 36,200 CUP	H32		42.0	2604 2513	
v/ ((\)	J_ 1	31.0	2017	30,200 001	1132		11.0	2010	



BULLET	POWDE	R GR	VEL	CUP	BULLE	T POWDE	R GR	VEL	CUP
100 CD UI		• • •		COL - 2 720"	-	H4895	47.5	2782	49,000 CUP
<b>180 GR. H</b> E H48		47.0	2289	COL: 2.730"	Е	BENCHMARK	47.7	2795	49,300 CUP
H43		47.0	2416		180 GR.	SIE SPBT	• • • •		COL: 3.300"
H41		46.0	2470			14831	60.0	2710	44,300 CUP
H38		45.0	2440			14350	57.5	2798	49,300 CUP
	·C(2)	43.0	2474			1414	55.5	2743	48,700 CUP
H33	. ,	40.0	2417			1380 /ARGET	53.0 47.0	2682 2668	48,700 CUP 50,000 CUP
H48		39.0	2373			BL-C(2)	48.5	2634	48,100 CUP
						1335	46.0	2621	49,200 CUP
308 WING BBL: 24"	CHESTER			WINCHESTER DERAL 210M	H	14895	46.0	2638	48,800 CUP
		• • •	FK. FE			BENCHMARK	46.0	2660	49,000 CUP
150 GR. NO		47.0.C	2027	COL: 2.800"	300 H	& H MAGN	UM	CASE: V	VINCHESTER
	RGET	47.0 C	2937	50,300 CUP	BBL: 24"				CHESTER LR
H33	·C(2)	48.0	2839	50,000 CUP	150 GR.	HDY SP	• • •		COL: 3.560"
наз Н48		44.0 45.5	2787 2870	51,200 CUP 51,000 CUP	H	14831	78.0	3313	
	NCHMARK	43.0	2752	49.000 CUP		14350	71.0	3202	
H32		40.0	2702	50,500 CUP	H	1414	65.0	3247	
		40.0	2702			NOS PART			COL: 3.560"
168 GR. SII		4/ 0.0	2721	COL: 2.800"		14831	77.0	3099	
	RGET	46.0 C	2731	50,600 CUP		14350 1414	69.0 63.0	3164 3046	
	C(2)	47.0	2754	50,200 CUP			03.0	3040	
H33		42.0	2631	49,300 CUP		<b>SIE HPBT</b> 1870	83.0	2779	COL: 3.655"
H48		43.5	2703	49,500 CUP		14831	72.0	2932	
BEI	NCHMARK	42.0	2630	49,300 CUP		14350	66.0	2909	
175 GR. SII			0.400	COL: 2.800"		1414	56.0	2649	
H41		49.0	2629	50,100 CUP	200 DE	MCALIIT	DA 1440	2125	5514110501
	RGET	45.0 C	2690	48,600 CUP	300 KE BBL: 24"	M. S.A. ULT			REMINGTON STON 9 1/2 M
	C(2)	46.0	2706	50,300 CUP			• • • • FK	. KEIVIIING	
H33		41.3	2592	50,100 CUP		<b>SPR GSSP</b> 14350	65.5 C	3147	<b>COL</b> : <b>2.700</b> " 62,100 PSI
H48		42.7	2647	49,000 CUP		1414	65.5	3201	62,800 PSI
BEI	NCHMARK	41.5	2590	50,800 CUP		1380	63.0	3119	60,700 PSI
30-06			CASE: 1	WINCHESTER	\	/ARGET	59.0	3148	63,200 PSI
BBL: 24"				CHESTER LR	H	14895	57.0	3147	62,800 PSI
150 GR. NO	)S RT	• • •		COL: 3.250"	180 GR.	SFT SCIR			COL: 2.825"
H43		62.0 C	3068	48,400 CUP		14350	61.6 C	2907	63,500 PSI
H41		60.0	2992	48,600 CUP		1414	60.5	2935	63,400 PSI
H38	30	59.0	3005	45,900 CUP		/ARGET	54.0 51.5	2842 2823	63,600 PSI 64,700 PSI
VAF	RGET	51.0	2975	50,100 CUP		14895	31.3	2023	
BL-	·C(2)	54.0	2962	48,600 CUP		<b>NOS PART</b> 14831	66.0 C	2755	<b>COL: 2.825</b> " 63,300 PSI
H33	35	51.5	2982	49,200 CUP		14350	59.5 C	2751	63,200 PSI
H48	395	51.0	2976	48,500 CUP		1414	59.5	2788	64,100 PSI
BEN	NCHMARK	49.5	2944	49,300 CUP					
165 GR. SII	F SPRT	• • •		COL: 3.300"		N. SHORT N			WINCHESTER
H43		59.0	2938	49,400 CUP	BBL: 24"		Р	K: WINC	HESTER LRM
H41		56.5	2877	49,700 CUP		SPR GSSP	47.0	2107	COL: 2.780"
H38		56.5	2892	50,000 CUP		14350 1414	67.0 66.0	3187 3204	63,200 PSI 63,300 PSI
	RGET	50.5	2873	49,700 CUP		1414 1380	64.0	3141	63,600 PSI
BL-	C(2)	51.0	2805	49,800 CUP		/ARGET	58.5	3140	63,800 PSI
H33	. ,	47.0	2749	49,300 CUP		14895	54.5	3078	63,100 PSI



BULLET	POWDER	GR	VEL	CUP	BULLET	POWE	DER G	R VEL	CUP
100.00.00	T COID	• •		001 0010"		== :			
<b>180 GR. SF</b> H48		0.0 C	2929	COL: 2.860" 64,000 PSI	300 REM.	ULTRA	MAG.		REMINGTON
H43		4.0	2950	63,900 PSI	BBL: 24"			PR: REMINO	GTON 9 1/2M
H41		4.0 2.5	2959	63,000 PSI	150 GR. SIE		40100	0504	COL: 3.530"
H38		2.5 1.0	2884	63,400 PSI		UMBO	106.0 C	3531	60,800 PSI
		1.0	2004	•	H10 H48		102.0 94.0	3457 3408	62,900 PSI 62,900 PSI
<b>200 GR. SF</b> H10		2.0C	2737	<b>COL: 2.790</b> " 57,200 PSI			94.0	3400	
H48		6.5C	2802	63,700 PSI	180 GR. SP	R SPBT BMG	108.0 C	3159	<b>COL: 3.530"</b> 62,100 PSI
H43		2.0	2792	63,200 PSI	H87		106.0 C	3206	58,200 PSI
H41		1.0	2803	63,200 PSI		UMBO	100.5 C	3300	62,400 PSI
	- 0	1.0	2003	03,200 1 31	H10		96.0	3218	62,800 PSI
300 WING	CHESTER M	1agnun	√I CASE: \	WINCHESTER	H48		89.0	3167	62,500 PSI
BBL: 24"			PR: WIN	CHESTER LR	200 GR. BA	R YFR	• • • •		COL: 3.530"
150 GR. SIE	SP	• •		COL: 3.340"		BMG	98.0 C	2910	63,100 PSI
H10		5.0 C	3255	52,200 CUP	H87	0	104.0	3028	61,300 PSI
H48	331 78	8.0	3207	52,700 CUP	RET	UMBO	86.0	2988	62,800 PSI
H43	350 72	2.0	3205	52,500 CUP	H10	00	83.0	2850	62,800 PSI
H41	4 68	8.0	3145	52,500 CUP	30-378 W	EVTHE	DRV	CASE	WEATHERBY
H38	80 6!	5.0	3031	52,200 CUP	BBL: 26"	LAIIILI	(D)		DERAL 215 M
		0.0	3108	51,400 CUP	180 GR. SP	O CDDT	• • • •		COL: 3.600"
H48	395 6°	1.0	3124	52,500 CUP		BMG	120.0 C	3229	47,100 CUP
180 GR. SP	R MT-SP			COL: 3.285"	H87		118.0	3333	46,700 CUP
H87	0 89	9.0 C	2901	43,300 CUP	RET	UMBO	113.0 C	3460	54,700 CUP
H10		1.0 C	3042	52,900 CUP	H10	00	111.0	3412	54,300 CUP
H48		3.0 C	2966	53,200 CUP	H48	31	100.0	3301	54,500 CUP
H43		7.0	2918	53,100 CUP	200 GR. BA	R XFB			COL: 3.645"
H41	4 62	2.0	2845	52,300 CUP		BMG	117.0 C	3227	54,800 CUP
200 GR. NO	S PART			COL: 3.340"	H50		112.0 C	3124	52,700 CUP
H87		5.0 C	2676	38,900 CUP	H87		116.0	3206	52,000 CUP
		4.0 C	2962	52,300 CUP	220 GR. NO		440 5 0	04.45	COL: 3.600"
H10		9.0 C	2883	52,800 CUP		BMG	118.5 C	3145	53,700 CUP
H48		2.0 C	2825	53,100 CUP	H50 H87		114.0 C 116.0	3071 3180	51,900 CUP 53,500 CUP
H43	350 66	6.0	2753	51,700 CUP		UMBO	107.5	3155	55,000 CUP
300 WFA	THERBY MA	AGNI IM	CASE:	REMINGTON	H10		104.0	3084	53,700 CUP
BBL: 24"	IIILKDI W	io.io.iv.		DERAL 215 M					
150 GR. BA	D VDT	• •		COL: 3.560"	7.62 X 39	MM RUS	SIAN	C	ASE: MIDWAY
H10		8.0 C	3264	53,500 CUP	BBL: 24"				PR: CCI 200
H48		9.0	3168	53,500 CUP	125 GR. SP		24.5	22.40	COL: 2.150"
H43		2.5	3156	53,800 CUP	BL-( H33		31.5 31.5	2349 2408	38,800 CUP 40,900 CUP
H41		9.0	3099	53,800 CUP	пээ H48		29.0	2406	33,600 CUP
H38		7.0	3009	54,000 CUP	H32		29.0	2323	35,400 CUP
		3.0	3142	54,300 CUP	H41		26.5	2378	40,400 CUP
H48	895 62	2.3	3098	53,400 CUP			• • • •	2070	COL: 2.220"
180 GR. WI	N FS	• •		COL: 3.560"	<b>150 GR. HD</b> BL-	1 3P (2)	29.5	2090	40,400 CUP
H10		3.0 C	3111	54,600 CUP	H33		29.0	2132	42,500 CUP
H48		9.0	3013	54,600 CUP	H48		28.0	2154	39,300 CUP
H43		2.0	2974	54,600 CUP	H32		28.5	2192	40,400 CUP
200 GR. SF		• •		COL: 3.510"	H41	98	24.5	2122	39,800 CUP
		5.5 C	2981	54,600 CUP	303 BRITI	СП		CACE	DEMINISTRA
H10		5.0 C	2963	53,400 CUP	303 DK111 BBL: 24"	JH			REMINGTON EDERAL 210
H48		7.5	2869	52,900 CUP		• • • •	• • • •	113.1	
H43		1.0	2866	54,300 CUP	<b>150 GR. HD</b> H48		49.0	2295	COL: 3.035"
1170	,		_000	,000 001	1170	· ·	17.0	22/5	



BULLET	POWDE	R GI	R VEL	CUP	BULLET	POWDE	ER GF	R VEL	CUP
				CUP					CUF
	1350	48.0	2501		H32	2	44.0	2555	
	114 380	48.0 44.0	2482 2443		8мм REM	INGTON	MAGNU	IM CASE	REMINGTON
	335	48.0	2729		BBL: 24"				GTON 9 1/2 M
	1895	42.0	2479		180 GR. BA	R XFB	• • • •		COL: 3.600"
180 GR. S	IF SP	• • •		COL: 3.075"	H87		91.0	2939	002.0.00
	1831	47.0	2238	002.0.070	H48	31	0.08	3024	
	1350	46.0	2333		H43	50	75.0	3007	
	114	46.0	2304		220 GR. HD	Y SP			COL: 3.600"
	380 335	42.0 41.0	2276 2323		H87		90.0	2856	
	1895	40.0	2295		H48	331	78.0	2871	
22 //////	CHESTER	CDECI	۸۱		338-06		CA	ASE: REMIN	NGTON (REF)
32 WIIW	CHESTER	SPECIA		VINCHESTER	BBL: 24"				PR: CCI 200
BBL: 20"				PR: CCI 200	200 GR. BA		<b></b>	0740	COL: 3.340"
170 GR. S	PR FP	• • •		COL: 2.560"	H43		65.0	2710	
BL	C(2)	32.0	1964		H41		63.0	2802	
	335	32.0	1960		250 GR. SIE		41.0	2400	COL: 3.340"
	1895	33.0	1941		H48 H43		61.0 60.0	2408 2569	
H4	1198	27.0	2168		H41		60.0	2583	
	INCHESTE	R		WINCHESTER					
BBL: 24"		• • •	PR: REIVII	NGTON 2 1/2	338 WINC	HE21EK	IVIAGIN		WINCHESTER
196 GR. H	I <b>OCH</b> 1227	13.0	1367	<b>COL: 2.555"</b> 18,000 CUP	BBL: 24"				HESTER LRM
	110	12.0	1376	19,200 CUP	185 GR. BA	D YRT	• • •		COL: 3.280"
	L'GUN	9.3	1237	19,600 CUP	H48		74.0	2969	52,600 CUP
202 GR. P	OPF	• • •		COL: 2.555"	H43	50	68.5	2971	51,600 CUP
H4	1227	14.0	1376	15,900 CUP	H41		67.5	2946	52,000 CUP
	110	13.0	1386	17,900 CUP	H38		67.0	2943	52,700 CUP
LII	L'GUN	9.5	1264	20,100 CUP		GET	57.0	2841	52,400 CUP
204 GR. N		10 [	12/7	COL: 2.555"	H48		58.5	2886	52,000 CUP
	1227 110	13.5 13.0	1367 1369	16,300 CUP 17,900 CUP	210 GR. NO		75.5.0	2000	COL: 3.280"
	L'GUN	10.8	1310	20.100 CUP	H48 H43		75.5 C 70.0	2888 2855	52,300 CUP 51,800 CUP
					H41		67.0	2848	51,800 CUP
	м <b>MAUSE</b> I	R		REMINGTON	H38		66.0	2797	53,000 CUP
BBL: 24"	• • • • •	• • •	PR: REMI	NGTON 9 1/2		GET	58.5	2784	52,500 CUP
150 GR. S	I <b>IE SP</b> 1831	57.0	2452	COL: 3.050"	H48	95	60.0	2788	53,000 CUP
	1350	54.0	2552		250 GR. HD	Y SP	• • • •		COL: 3.340"
	114	56.0	2773		H10		76.0 C	2622	46,500 CUP
H3	380	54.0	2778		H48		71.5 C	2655	52,300 CUP
	C(2)	46.0	2553		H43		67.5	2657	51,900 CUP
	335	49.0	2744		H41	4	65.0	2622	52,900 CUP
	1895 322	50.0 46.0	2747 2726		340 WEA	THERBY	MAGN	UM	
	1198	41.0	2848		CASE: WEA	THERBY			
170 GR. S		• • •		COL: 2.890"	BBL: 26"			PR: F	EDERAL 215
	1831	57.0	2418	002. 2.070	200 GR. SP		00.0	20.40	COL: 3.560"
	1350	54.0	2507		H48 H43		90.0 80.0	3040 2994	
	114	53.0	2586				00.0	2994	
	380	49.0 45.0	2509		<b>250 GR. SIE</b> H87		92.0	2524	COL: 3.560"
	C(2) 335	45.0 46.0	2421 2470		H48		83.0	2784	
	1895	46.0	2501		H43		76.0	2724	
**	-		- = -			-		= -	



H4831   90.0   2858   62,500 PSI   H4350   79.0   2707   53,100 PSI   2707   53,100 PSI   338-378 WEATHERBY   BBL: 26"   PR: FEDERAL 215 M   BL-C(2)   50.0   2243   BBL: 26"   H4895   46.0   2338   H4350   96.5   3176   54,000 CUP   H4198   40.0   2383   H4350   96.5   3176   54,000 CUP   H4198   40.0   2383   H4831   103.0   3112   53,800 CUP   H4895   46.0   2383   H4831   104.0   3112   53,800 CUP   H4895   46.0   2151   H4891   103.0   3112   53,800 CUP   H4895   43.0   2163   H4831   104.0   3107   54,000 CUP   H4895   43.0   2151   H4831   104.0   3107   54,000 CUP   H4895   43.0   2128   H4831   104.0   3107   54,000 CUP   H4895   43.0   2128   H4850   95.5   3100   53,900 CUP   H4198   37.0   2133   358 WINCHESTER   BBL: 26"   PR: WII	BULLET PO	NDER G	D 1/E	OLID					
ABSTREMINGTON   BBL: 24"   PR: REMINGTON 9 1/2M   BENCHMARK   35.5   2034		ADEIL O	K VE	_ CUP	BULLET	POWDE	R GR	VEL	CUP
H4895   39.0   2232   2232   2232   2232   2333   2340   2410   2340   2353   2410   2353   2410   2353   2410   2353   2410   2353   2410   2335   2410   2335   2410   2335   2410   2335   2410   2335   2410   2335   2410   2335   2410   2335   2410   2335   2410   2335   2410   2335   2410   2335   2410   2335   2410   2335   2410   2410   2335   2410   2410   2335   2410   2410   2335   2410   2410   2335   2410   2410   2335   2410   2410   2335   2410   2410   2335   2410   2335   2410   2410   2335   2410   2410   2410   2340   2410						5	27 5	2111	33,600 CUP
PR: REMINGTON 9 1/2M   BENCHMARK   35.5   2034	38 REMINGT	ON ULTRA	A MAG						•
COL: 3.590"   H322   35.0   2104	ASE: REMINGTO	N							33,100 CUP
H1000	BL: 24"		PR: REMIN	igton 9 1/2M					32,300 CUP
H4831	00 GR. SPR SP			COL: 3.590"	H32	.2	35.0	2104	33,100 CUP
H4350						98	32.0	2172	33,000 CUP
H4310 H414 H414 H414 H414 H414 H414 H414 H4						V PN	• • •		COL: 2.510"
225 GR. NOS PART RETUMBO 103.0 C 3055 61,100 PSI H4895 38.5 2110  103.0 C 3058 63,000 PSI H4895 38.5 2110  104831 93.5 2977 63,000 PSI H4895 38.5 2110  105 GR. HDV SP RETUMBO 101.0 2964 64,500 PSI H49831 90.0 2858 62,500 PSI H4350 79.0 2707 53,100 PSI H4831 90.0 2858 62,500 PSI H4350 49.0 2269  210 GR. NOS PART RETUMBO 113.0 3192 53,500 CUP H4831 103.0 3154 54,000 CUP H4350 96.5 3176 54,000 CUP H4350 95.5 3100 53,900 CUP H4895 43.0 2128  106 GR. NOS PART RETUMBO 110.0 2964 64,500 PSI H4995 46.0 2388  225 GR. NOS PART RETUMBO 123.0 C 3362 54,000 CUP H4831 103.0 3154 54,000 CUP H4350 96.5 3176 54,000 CUP H4350 96.5 3176 54,000 CUP H4891 1000 111.0 3112 53,800 CUP H4895 46.0 2151 H335 46.0 2153 H350 CUP H4895 43.0 2128 H350 95.5 3100 53,900 CUP H4895 43.0 2128 H350 95.5 3100 53,900 CUP H4895 43.0 2128 H350 95.5 3100 53,900 CUP H322 41.0 2106 H360 110.5 C 2934 52,500 CUP H370 CUP H370 120.0 2893 47,000 CUP H370 CUP H382 41.0 2106 H370 120.0 2893 47,000 CUP H360 110.5 C 2934 52,500 CUP H370 CUP H382 41.0 2106 H370 120.0 2893 47,000 CUP H382 41.0 2406 H370 120.0 2893 47,000 CUP H382 4							39 5	2139	33,300 CUP
Col: 3.550"   H335   37.0   2048   H1000   100.0 C   3058   63,000 PSI   H4895   38.5   2110   H4831   93.5   2977   63,000 PSI   H4895   38.5   2110   H4831   93.5   2976   62,600 PSI   H322   33.8   1987   H300   PSI   H4895   PRETUMBO   101.0   2964   64,500 PSI   H4895   30.5   1999   H4895   79.0   2707   53,100 PSI   H4895   40.0   2243   H4831   90.0   2858   62,500 PSI   H4895   40.0   2243   H4831   103.0   3154   54,000 CUP   H4831   103.0   3154   54,000 CUP   H4831   103.0   3112   53,800 CUP   H4895   40.0   2383   H4895   43.0   2163   H4831   104.0   3107   54,000 CUP   H4895   43.0   2163   H4850   95.5   3100   53,900 CUP   H4895   43.0   2128   H4896   40.0   2338   H4895   43.0   2128   H4896   40.0   2338   H4895   43.0   2128   H4995   4	H414	84.0	3089	63,100 PSI					31,700 CUP
H1000						. ,			33,200 CUP
H4831   93.5   2977   63,000 PSI   BENCHMARK   35.5   1984   1987   1987   1987   1988   1987   1988   1987   1988   1987   1988   19									•
H4350   86.0   2976   62,600 PSI   H322   33.8   1987									32,300 CUP
250 GR. HDY SP RETUMBO 101.0 2964 64,500 PSI H1000 98.0 C 2923 62,400 PSI H4831 90.0 2858 62,500 PSI H4350 79.0 2707 53,100 PSI  338-378 WEATHERBY BBL: 26"  CASE: WEATHERBY BBL: 26" PR: WII  200 GR. SIE RN  BL-C(2) 50.0 2243 H335 49.0 2269  210 GR. NOS PART RETUMBO 113.0 3192 53,500 CUP H1000 113.0 3192 53,500 CUP H4831 103.0 3154 54,000 CUP H4830 96.5 3176 54,000 CUP H4895 40.0 2383 H4350 96.5 3176 54,000 CUP H4891 1000 111.0 3112 53,800 CUP H4891 104.0 3107 54,000 CUP H4891 104.0 3107 54,000 CUP H4895 43.0 2163 H4895 43.0 2128 H4895 43.0 2128 H4895 43.0 2128 H4895 43.0 2128 H4891 104.0 3107 54,000 CUP H4895 43.0 2128 H4990 220 GR. SPR FP H50BMG 120.0 C 2843 51,000 CUP H870 120.0 2893 47,000 CUP H870 120.0 2893 53,700 CUP H870 120.0 2893 53,700 CUP H880 110.5 C 2934 52,500 CUP H890 20 GR. SPR FP H80 20 GR. SPR FP									32,600 CUP
RETUMBO 101.0 2964 64,500 PSI H1000 98.0 C 2923 62,400 PSI H4831 90.0 2858 62,500 PSI H4350 79.0 2707 53,100 PSI BBL: 20" PR: WII 200 GR. SIE RN  RETUMBO 123.0 C 3362 54,000 CUP H1000 113.0 3192 53,500 CUP H4831 103.0 3154 54,000 CUP H4350 96.5 3176 54,000 CUP H4895 46.0 2383 H4350 96.5 3176 54,000 CUP H49895 46.0 2383 H4350 96.5 3176 54,000 CUP H49895 46.0 2151 H1000 111.0 3112 53,800 CUP H4895 43.0 2163 H4891 104.0 3107 54,000 CUP H4895 43.0 2128 H4891 104.0 3107 54,000 CUP H4895 43.0 2128 H4891 104.0 3107 54,000 CUP H4895 43.0 2128 H4895 43.0 2128 H4895 43.0 2128 H350 95.5 3100 53,900 CUP H4895 43.0 2128 H350 H4980 10.5 C 2934 52,500 CUP H49895 43.0 2133 358 WINCHESTER BBL: 26" PR: WII 200 GR. SPR FP H50BMG 120.0 C 2843 51,000 CUP H4985 43.0 2133 358 WINCHESTER BBL: 26" PR: WII 200 GR. SPR FP BL-C(2) 48.0 2461 H4831 98.0 2800 53,900 CUP H4831 220 GR. SPR FP BL-C(2) 48.0 2461 H322 41.0 2461 H331 98.0 2800 53,900 CUP		80.0	2976	•	H32	.2	33.8		33,100 CUP
H1000		101.0	2074		H41	98	30.5	1999	31,700 CUP
H4831 90.0 2858 62,500 PSI H4350 79.0 2707 53,100 PSI BBL: 20" PR: WII 200 GR. SIE RN  338-378 WEATHERBY BBL: 26" PR: WII H335 49.0 2269  210 GR. NOS PART COL: 3.740" H4895 46.0 2338 H4831 103.0 3192 53,500 CUP H4831 103.0 3154 54,000 CUP H4831 103.0 3154 54,000 CUP H4895 46.0 2388 H4350 96.5 3176 54,000 CUP H4198 40.0 2383 H4350 96.5 3176 54,000 CUP H4831 104.0 3107 54,000 CUP H4895 43.0 2128 H4350 95.5 3100 53,900 CUP H4895 43.0 2128 H4350 95.5 3100 53,900 CUP H4895 43.0 2133  275 GR. SFT SP COL: 3.640" H4198 37.0 2133  275 GR. SFT SP COL: 3.640" H4198 37.0 2133  275 GR. SFT SP COL: 3.640" H4198 37.0 2133					057.18/18/1	OLIFOTED			
H4350   79.0   2707   53,100 PSI   200 GR. SIE RN   338-378 WEATHERBY   BBL: 26"   PR: FEDERAL 215 M   H335   49.0   2269   2269   H335   49.0   2338   H4350   96.5   3176   54,000 CUP   H44831   104.0   3102   53,800 CUP   H4831   104.0   3112   53,800 CUP   H4831   104.0   3107   54,000 CUP   H4895   43.0   2151   H4831   104.0   3107   54,000 CUP   H4895   43.0   2151   H4831   104.0   3107   54,000 CUP   H4895   43.0   2128   H4850   95.5   3100   53,900 CUP   H322   41.0   2106   H4870   120.0   2893   47,000 CUP   H322   41.0   2106   H370   105.5   2934   52,500 CUP   H4198   37.0   2133   358 WINCHESTER   BBL: 26"   PR: WII   220 GR. SPR FP   BL-C(2)   48.0   2461   246				•		CHESTER			VINCHESTER
CASE: WEATHERBY BBL: 26"				•	BBL: 20"			PR: WIN	CHESTER LR
338-378 WEATHERBY BBL: 26" PR: FEDERAL 215 M PR: FEDERAL 220 GP PR: FEDERAL 215 M PR	П4330	79.0	2707	33,100 F31	200 GR. SIE	RN	• • •		COL: 2.550"
BBL: 26" PR: FEDERAL 215 M H335 49.0 2269  210 GR. NOS PART RETUMBO 123.0 C 3362 54,000 CUP H4895 46.0 2338  H4831 103.0 3154 54,000 CUP H4198 40.0 2383  H4350 96.5 3176 54,000 CUP H4198 40.0 2383  225 GR. NOS PART RETUMBO 119.0 C 3244 54,300 CUP H335 46.0 2151  H1000 111.0 3112 53,800 CUP H4895 43.0 2163  H4831 104.0 3107 54,000 CUP H4895 43.0 2128  H4831 104.0 3107 54,000 CUP H4895 43.0 2128  H4831 104.0 3107 54,000 CUP H4895 43.0 2128  H4870 120.0 2893 47,000 CUP H4198 37.0 2133  275 GR. SFT SP H50BMG 120.0 C 2843 51,000 CUP H870 120.0 2893 47,000 CUP RETUMBO 110.5 C 2934 52,500 CUP H870 120.0 2893 53,700 CUP H881 98.0 2800 53,900 CUP H4831 98.0 2800 53,900 CUP H4831 98.0 2800 53,900 CUP H4831 98.0 2461	38-378 WEAT	HERBY	CASI	: WEATHERBY			50.0	2243	
COL: 3.740"   H4895   46.0   2338   2380	BL: 26"		PR: FE	DERAL 215 M			49 0	2269	
RETUMBO 123.0 C 3362 54,000 CUP H322 44.0 2340 H4831 103.0 3154 54,000 CUP H4198 40.0 2383 H4350 96.5 3176 54,000 CUP H250 GR. HDV RN  225 GR. NOS PART RETUMBO 119.0 C 3244 54,300 CUP H4395 43.0 2151 H1000 111.0 3112 53,800 CUP H4895 43.0 2128 H4850 95.5 3100 53,900 CUP H322 41.0 2106 H350 P5.5 3100 53,900 CUP H322 41.0 2106 H370 120.0 2893 47,000 CUP H300 H4198 37.0 2133   275 GR. SFT SP H50BMG 120.0 C 2843 51,000 CUP H300 CUP H30	10 GR. NOS PAR	T		COL: 3.740"					
H1000 H3.0 3192 53,500 CUP H4198 40.0 2383    H4831 103.0 3154 54,000 CUP 250 GR. HDY RN 225 GR. NOS PART RETUMBO 111.0 3112 53,800 CUP H4335 46.0 2151    H1000 111.0 3112 53,800 CUP H4895 43.0 2128    H4831 104.0 3107 54,000 CUP H4895 43.0 2128    H4831 104.0 3107 54,000 CUP H4895 43.0 2128    EXTERNAL RETUMBO 120.0 2893 47,000 CUP H4895 37.0 2133    EXTERNAL RETUMBO 120.0 2893 47,000 CUP H4895 37.0 2133    EXTERNAL RETUMBO 110.5 C 2934 52,500 CUP H4895    H870 120.0 2893 47,000 CUP H4198 37.0 2133    EXTERNAL RETUMBO 110.5 C 2934 52,500 CUP H4891    H8831 98.0 2800 53,900 CUP BL-C(2) 48.0 2461    EXTERNAL RETUMBO 106.0 2837 53,700 CUP H4831 98.0 2800 53,900 CUP BL-C(2) 48.0 2461    EXTERNAL RETUMBO 106.0 2837 53,700 CUP BL-C(2) 48.0 2461    EXTERNAL RETUMBO 106.0 2837 53,700 CUP BL-C(2) 48.0 2461    EXTERNAL RETUMBO 106.0 2837 53,900 CUP BL-C(2) 48.0 2461    EXTERNAL RETUMBO 106.0 2837 53,900 CUP BL-C(2) 48.0 2461    EXTERNAL RETUMBO 106.0 2847 53,000 CUP BL-C(2) 48.0 2461    EXTERNAL RETUMBO 106.0 2837 53,900 CUP BL-C(2) 48.0 2461    EXTERNAL RETUMBO 106.0 2847 54,000 CUP BL-C(2) 48.0 2461    EXTERNAL RETUMBO 106.0 2847 53,000 CUP BL-C(2) 48.0 2461    EXTERNAL RETUMBO 106.0 2847 53,900 CUP BL-C(2) 48.0 2461    EXTERNAL RETUMBO 106.0 2847 53,900 CUP BL-C(2) 48.0 2461    EXTERNAL RETUMBO 106.0 2847 53,900 CUP BL-C(2) 48.0 2461    EXTERNAL RETUMBO 106.0 2848 54,300 CUP BL-C(2) 48.0 2461    EXTERNAL RETUMBO 106.0 2848 54,300 CUP BL-C(2) 48.0 2461    EXTERNAL RETUMBO 106.0 2848 54,300 CUP BL-C(2) 48.0 2461    EXTERNAL RETUMBO 106.0 2848 54,300 CUP BL-C(2) 48.0 2461    EXTERNAL RETUMBO 106.0 2848 54,300 CUP BL-C(2) 48.0 2461    EXTERNAL RETUMBO 106.0 2848 54,300 CUP BL-C(2) 48.0 2461    EXTERNAL RETUMBO 106.0 2848 54,300 CUP BL-C(2) 48.0 2461    EXTERNAL RETUMBO 106.0 2848 54,300 CUP BL-C(2) 48.0 2461    EXTERNAL RETUMBO 106.0 2848 54,300 CUP BL-C(2) 48.0 2461    EXTERNAL RETUMBO 106.0 2848 54,300 CUP BL-C(2) 48.0 2461    EXTERNAL RETUMBO 106.0 2848 54,300 CUP BL-C(2) 48.0 2461    EXTERNAL RETUMBO 106.0 2861    EX			3362						
19									
225 GR. NOS PART RETUMBO 111.0 3112 53,800 CUP H4831 104.0 3107 54,000 CUP H4350 95.5 3100 53,900 CUP H50BMG 120.0 C 2843 51,000 CUP H870 120.0 2893 47,000 CUP RETUMBO 110.5 C 2934 52,500 CUP H1000 106.0 2837 53,700 CUP H4831 98.0 2800 53,900 CUP H4831 98.0 2800 53,900 CUP H4831 98.0 2800 53,900 CUP H322 41.0 2106 H4198 37.0 2133  358 WINCHESTER BBL: 26" PR: WII					H41	98		2383	
RETUMBO 119.0 C 3244 54,300 CUP H335 46.0 2151 H1000 111.0 3112 53,800 CUP H4895 43.0 2128 H4891 104.0 3107 54,000 CUP H352 41.0 2106 H350 H450 120.0 C 2843 51,000 CUP H50BMG H870 120.0 2893 47,000 CUP RETUMBO 110.5 C 2934 52,500 CUP H6831 98.0 2800 53,900 CUP H4831 98.0 2800 53,900 CUP H4831 40.0 2461 H4831 98.0 2800 53,900 CUP H69	H4350	96.5	3176	54,000 CUP	250 GR. HD	Y RN			COL: 2.775"
H1000 111.0 3112 53,800 CUP H4895 43.0 2128 H4831 104.0 3107 54,000 CUP H322 41.0 2106 H4350 95.5 3100 53,900 CUP H322 41.0 2106  275 GR. SFT SP H50BMG 120.0 C 2843 51,000 CUP H870 120.0 2893 47,000 CUP RETUMBO 110.5 C 2934 52,500 CUP H1000 106.0 2837 53,700 CUP H4831 98.0 2800 53,900 CUP H4831 98.0 2800 53,900 CUP BL-C(2) 48.0 2461					BL-	C(2)	48.0	2163	
H4831 104.0 3107 54,000 CUP H322 41.0 2106  275 GR. SFT SP H50BMG 120.0 C 2843 51,000 CUP H870 120.0 2893 47,000 CUP H870 10.5 C 2934 52,500 CUP H1000 106.0 2837 53,700 CUP H4831 98.0 2800 53,900 CUP H4831 98.0 2800 53,900 CUP  H4831 104.0 3107 54,000 CUP H322 41.0 2106  H4198 37.0 2133  358 WINCHESTER BBL: 26" PR: WII BBL: 26" PR: WII PR:					H33	5	46.0	2151	
H4831 104.0 3107 54,000 CUP H322 41.0 2106  275 GR. SFT SP H50BMG 120.0 C 2843 51,000 CUP H870 120.0 2893 47,000 CUP H870 110.5 C 2934 52,500 CUP H1000 106.0 2837 53,700 CUP H300 106.0 2837 53,700 CUP H4831 98.0 2800 53,900 CUP  H322 41.0 2106  H4198 37.0 2133  358 WINCHESTER BBL: 26" PR: WIF					H48	195	43.0	2128	
275 GR. SFT SP H50BMG H870 RETUMBO H1000 H831 98.0 2800 10.5 C 10.0 C 2843 47,000 CUP H7000 10.5 C 10.5 C 2934 47,000 CUP H7000 10.6 C 2837 53,700 CUP H831 98.0 2800 53,900 CUP H831 98.0 2800 53,900 CUP BBL: 26" 220 GR. SPR FP BL-C(2) 48.0 2461							41 0	2106	
275 GR. SF1 SP H50BMG H50BMG 120.0 C 2843 51,000 CUP H870 120.0 2893 47,000 CUP RETUMBO 110.5 C 2934 52,500 CUP H1000 106.0 2837 53,700 CUP H4831 98.0 2800 53,900 CUP BL: 26" 220 GR. SPR FP BL-C(2) 48.0 2461	H4350	95.5	3100	53,900 CUP					
H870 120.0 2893 47,000 CUP 358 WINCHESTER CASE: PR: WINCHESTER H1000 106.0 2837 53,700 CUP H4831 98.0 2800 53,900 CUP BL-C(2) 48.0 2461		40000			1141	70	37.0	2133	
RETUMBO 110.5 C 2934 52,500 CUP BBL: 26" PR: WII H1000 106.0 2837 53,700 CUP H4831 98.0 2800 53,900 CUP BL-C(2) 48.0 2461					358 WING	CHESTER		CASE: \	VINCHESTER
H1000 106.0 2837 53,700 CUP H4831 98.0 2800 53,900 CUP BL-C(2) 48.0 2461							•		CHESTER LR
H4831 98.0 2800 53,900 CUP BL-C(2) 48.0 2461									
1135 40.0 2401							40.0	04/4	COL: 2.565"
267 MACCHINA (DIELE) 2464 H335 48.0 2464	114031	70.0	2000	33,700 CUF					
33/ IVIAGINUIVI (RIFLE) CASE: WINCHESTER	57 MAGNUM	(RIFLE)	CASE	WINCHESTER					
BBL: 18.5" PR: WINCHESTER SPM H4198 41.0 2502					H41	98		2502	
158 GR. HDY XTP COL: 1.580" 250 GR. HDY RN	58 GR. HDY XTP			COL: 1.580"	250 GR. HD	Y RN	• • •		COL: 2.775"
H4227 16.0 1668 42,600 CUP BL-C(2) 48.0 2374	H4227	16.0	1668	42,600 CUP			48.0	2374	
H110 16.7 1757 40,700 CUP H335 46.0 2299	H110	16.7	1757	40,700 CUP			46.0	2299	
HS-6 9.5 1427 41,900 CUP	HS-6								
UNIVERSAL 6.3 1147 39,300 CUP						70	37.0	2312	
HP-38 6.9 1214 40,000 CUP 35 WHELEN CASE					35 WHEL	EN		CASE	REMINGTON
BBL: 24" PR: REM			1184	41,900 CUP					NGTON 9 1/2
180 GR. NOS PART COL: 1.575"			4005						
							(1.0	2/02	COL: 3.050"
H4227 13.7 1325 40,900 CUP <b>200 GR. SIE RN</b>	HIIU	13.5	1381	39, 100 CUP					45,000 CUP
H110 13.5 1381 39,100 CUP H380 61.0 2602	5 REMINGTOR	V	CASI	E: REMINGTON					42,300 CUP
H110 13.5 1381 39,100 CUP H380 61.0 2602  35 REMINGTON CASE: REMINGTON VARGET 57.0 2653		-			BL-	C(2)	63.0	2807	49,000 CUP
H110 13.5 1381 39,100 CUP H380 61.0 2602		• • • • •			H33	5	55.0	2684	50,000 CUP
H110         13.5         1381         39,100 CUP         H380         61.0         2602           35 REMINGTON BBL: 24"         CASE: REMINGTON PR: REMINGTON 9 1/2         VARGET         57.0         2653           BL-C(2)         63.0         2807           H335         55.0         2684	UNITED ATTO	40.5	2196		H48	95	57.0	2689	49,000 CUP
H110         13.5         1381         39,100 CUP         H380         61.0         2602           35 REMINGTON BBL: 24"         CASE: REMINGTON PR: REMINGTON 9 1/2         BL-C(2)         63.0         2807           180 GR. SPR FN         COL: 2.470"         H335         55.0         2684									
H110         13.5         1381         39,100 CUP         H380         61.0         2602           35 REMINGTON BBL: 24"         CASE: REMINGTON PR: REMINGTON 9 1/2         BL-C(2)         63.0         2807           180 GR. SPR FN         COL: 2.470"         H335         55.0         2684	VARGET				H32	2	56.0	2691	48,500 CUP



BULLET	POWDE	R GR	VEL	CUP	BULLE	ΞT	POWD	ER	GR	VEL	CUP
		• • •				H380	)	78.0	)	2632	46,600 CUP
250 GR. HD				COL: 3.220"		VAR		67.0		2620	51,600 CUP
H38		59.0	2416	44,500 CUP		H489		68.0		2624	50,500 CUP
	RGET	55.0	2486	49,900 CUP				• • •	•	2024	·
	C(2)	59.0	2503	48,900 CUP	300 GR			81.5		24 4E	COL: 3.600"
H33		52.0	2404	50,000 CUP		H435				2645	49,500 CUP
H48		53.0	2455	50,000 CUP		H414 VAR		78.0 62.0		2548 2454	46,800 CUP 49,300 CUP
H32	22	52.0	2398	48,500 CUP		H489		65.0		2505	50,400 CUP
38-55 WI	NCHESTE	R	CASE:	WINCHESTER		11407	, J	05.0	,	2303	30,400 COF
BBL: 24"				PR: CCI 200			ULTR/	A MAC			REMINGTON
255 GR. BA	AR IFP	• • •		COL: 2.620"	BBL: 24	l"			PR	R: REMINO	GTON 9 1/2M
H32		33.0	1830	28,200 CUP	250 GR	. BAR	XFB				COL: 3.600"
H41		28.0	1788	26,700 CUP		H483		103.0	)	3090	62,700 PSI
				-,		H435	50	94.5	·	3010	62,700 PSI
375 WING	CHESTER			WINCHESTER		H414	1	93.5	)	3006	62,700 PSI
BBL: 24"			PR: WIN	CHESTER LR	270 GR	HD/	/ SP	• • •	•		COL: 3.550"
220 GR. HE	DY JFP			COL: 2.500"	270 010	H483		104.0	) C	2922	62,900 PSI
H32		38.5 C	2236	48,900 CUP		H435		95.0		2932	62,600 PSI
H41	198	34.0	2233	49,300 CUP		H414	ļ	93.0	)	2924	63,000 PSI
	_					0 0		• • •	•		•
376 STEY	/R			SE: HORNADY	300 GR	. <b>SF I</b> H100		105.0	٠.	2678	<b>COL</b> : <b>3.550</b> " 57,600 PSI
BBL: 24"			PF	R: FED. 215M		H483		97.0		2719	62,500 PSI
225 GR. HD	OY SP			COL: 3.070"		H435				2713	
	RGET	68.0 C	2767	52,400 PSI		пчэс	00	90.0	, 	2/33	62,700 PSI
BL-	·C(2)	70.0	2709	44,300 PSI	378 W	/FAT	HERBY	MAG	MUM:	/ CASE	WEATHERBY
H33	35	68.5	2910	60,100 PSI	BBL: 26		I ILIND I	171710	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		EDERAL 215
H48	395	68.0 C	2892	58,200 PSI			• • • •	• • •	0		
BEN	NCHMARK	67.0 C	2890	59,700 PSI	270 GR	. <b>หมา</b> H483		115.0	`	3102	COL: 3.645"
						H435		105.0		3091	
H32	22	63.0	2839	59,900 PSI				105.0	•	3091	
		• • •		COL: 3.060"	300 GR			4000		0.400	COL: 3.680"
270 GR. HD	RGET	65.5 C	2610	60,100 PSI		H870		120.0		2620	
	C(2)	66.0	2544	53,100 PSI		H483		112.0		2926	
H33		60.0	2547	59,900 PSI		H435	00	100.0	)	2940	
H48		62.0 C	2580	59,400 PSI	/16 D	EN/III	NGTON	MAG	MI IN	A CASE	: REMINGTON
	NCHMARK	59.0	2549	59,500 PSI	BBL: 24		NGION	IVIAG			TON 9 1/2 M
H32		57.0	2517	59,600 PSI					• FK	. KLIVIIIVO	
		37.0	2317	•	350 GR			00.0		0.400	COL: 3.590"
300 GR. SF			0.440	COL: 3.080"		VAR		82.0		2622	52,400 CUP
	RGET	62.6 C	2410	59,700 PSI		BL-C	. ,	87.0		2580	44,700 CUP
	C(2)	62.0	2368	59,900 PSI		H335		82.0		2572	50,900 CUP
H33		57.5	2324	60,300 PSI		H489	<i>l</i> 5	80.0	)	2601	52,200 CUP
H48		59.5	2388	60,200 PSI	400 GR						COL: 3.560"
	NCHMARK	56.5	2343	69,900 PSI		H435	50	88.0	) C	2395	46,400 CUP
H32	22	55.0	2322	60,000 PSI		H380	)	84.0	)	2367	48,500 CUP
27E LI 0 LI	MAGNUN	л.	CACE	WINCHESTED		VAR	GET	77.C	)	2407	53,000 CUP
3/3 F&F BBL: 24"	I WAGNU	VI		WINCHESTER DERAL 215 M		BL-C	(2)	83.0	)	2420	50,500 CUP
			FK. I LL			H489	95	76.0	)	2391	53,300 CUP
235 GR. SP		02.0	27.40	COL: 3.600"	44.40	10/15	CLIECT			2125	
H41		83.0	2749	42,600 CUP			ICHEST	EK			WINCHESTER
H38		81.0	2835	46,800 CUP	BBL: 20	J.			•	PR: WIN	ICHESTER LP
	RGET	70.0	2819	51,200 CUP	200 GR		D RNFP				COL: 1.600"
	C(2)	85.0	2964	47,100 CUP			'ERSAL	7.3		1069	11,100 PSI
H33		74.0	2853	50,000 CUP		HP-3		6.5		1020	12,400 PSI
H48	345	74.0	2895	50,400 CUP		TITE	GROUP	6.2	2	1117	12,900 PSI
270 GR. WI	IN FS			COL: 3.600"		CLAY	'S	5.0	)	924	11,700 PSI
H43		83.0 C	2694	46,800 CUP							
H41	14	78.0	2576	45,500 CUP							



BULLET POWDER G	R VEL	CUP	BULLET POWDER GR VEL CU	ΙP
44 BAA OBILITA (SIELE)			400 CD CDD IFD	
44 MAGNUM (RIFLE) BBL: 20"		WINCHESTER NGTON 2 1/2	<b>400 GR. SPR JFP</b> VARGET 57.0 C 1910 38,000	
• • • • • • • • • • • • •	PK: KEIVII		H4895 56.0 C 1986 42,000	
<b>240 GR. NOS JHP</b> H4227 24.0	1778	<b>COL: 1.600"</b> 36,100 CUP	H335 55.0 1953 41,600	PSI
H110 24.0	1817	36,200 CUP	BENCHMARK 55.0 C 2010 42,500	
270 GR. SPR GDSP		COL: 1.600"	H322 52.5 C 2023 41,900	
H4227 22.5	1638	37,400 CUP	H4198 45.5 1958 42,600	PSI
H110 21.5	1637	37,700 CUP	458 WINCHESTER MAGNUM CASE: WINCHES	STER
300 GR. HDY XTP		COL: 1.600"	BBL: 24" PR: CCI	250
H4227 20.0	1452	38,600 CUP	350 GR. SPR SP COL: 3.	
H110 19.0	1473	38,800 CUP	H4895 80.0 C 2496 38,700	
444 MARLIN	CASE	: REMINGTON	BENCHMARK 79.0 C 2468 42,400 H322 80.0 C 2589 49,400	
BBL: 24"		NGTON 9 1/2	H4198 72.0 2548 51,600	
240 GR. SIE JHP		COL: 2.535"		
H335 56.0	2222	38,900 CUP	<b>400 GR. SFT SP</b> VARGET 77.0 C 2310 38,800	
H4895 53.0 C	2069	33,100 CUP	H4895 77.0 C 2349 42,500	
BENCHMARK 55.0 C	2234	40,600 CUP	BENCHMARK 78.0 C 2343 46,600	CUP
H322 52.0 C H4198 49.2 C	2185 2499	35,900 CUP 42,100 CUP	H322 76.0 C 2407 51,100	
• • • • • • • • • • • • •	24//	·	H4198 67.0 2323 51,000	CUP
<b>265 GR. HDY JFP</b> H335 56.0	2187	<b>COL: 2.550"</b> 39,700 CUP	500 GR. HDY JRN COL: 3.	
H4895 53.0 C	2080	34,800 CUP	VARGET 74.0 C 2152 48,100 H335 75.5 2163 50,300	
BENCHMARK 53.0 C	2139	40,700 CUP	H4895 74.0 C 2161 50,300	
H322 52.0 C	2164	38,300 CUP	BENCHMARK 73.0 C 2123 50,300	
H4198 47.0	2273	41,100 CUP	H322 69.5 C 2109 52,000	
300 GR. SFT HP		COL: 2.620"	H4198 58.5 1987 51,100	CUP
VARGET 50.0 C H335 52.0	1914 2023	35,700 CUP 42,300 CUP	460 WEATHERBY MAGNUM CASE: WEATHE	DDV
H4895 50.0 C	1931	35,600 CUP	BBL: 26" PR: FEDERAL	
BENCHMARK 48.5	1993	41,900 CUP	400 GR. BAR XFB COL: 3.	710"
H322 48.0	2038	42,600 CUP	H4831 127.0 2565	,
H4198 42.5	2082	42,500 CUP	H4350 118.0 2610	
45-70 GOVERNMENT (TF	PAPDOOR	RIFI F)	H414 117.0 2640	
43 70 00 VERTINIERT (11	CASE:	WINCHESTER	H380 110.0 2593 H4895 107.0 2589	
BBL: 24"		PR: CCI 200		
300 GR. SIE HP		COL: 2.525"	<b>500 GR. HDY JRN</b> COL: <b>3</b> . H4831 126.0 2469	/10"
VARGET 63.0 C	2020	23,800 CUP	H4350 115.0 2508	
H335 63.5	2143	27,400 CUP	H414 116.0 2530	
H4895 62.0 C BENCHMARK 63.5 C	1974 2113	21,000 CUP 27,400 CUP	H380 108.0 2483	
H322 60.0	2113	28,000 CUP	H4895 105.0 2478	
H4198 55.0	2221	27,600 CUP	50 BROWNING MACHINE GUN CASE:	FNID
405 GR. CAST LFP		COL: 2.540"	BBL: 45" PR: CC	
VARGET 50.0	1718	20,900 CUP	655 GR. ADI FMJ COL: 5.	
H4895 48.0	1645	18,900 CUP	H50BMG 248.0 3029	.50
BENCHMARK 50.0	1695	22,600 CUP	750 GR. HDY A-MAX COL: 5.	450"
H4198 31.0	1459	17,100 CUP	H50BMG 233.0 2800	
450 MARLIN BBL: 24"		SE: HORNADY ICHESTER LR	800 GR. BAR SOLID COL: 5. H50BMG 225.0 2725	450"
350 GR. HDY JFP		COL: 2.530"		
BENCHMARK 59.0 C	2129	38,600 PSI		
H322 58.0 C H4198 48.5	2196 2119	42,300 PSI 42,200 PSI		

# ISTOL data



# **DL** data

#### Data

C Compressed Powder Charge

PR Primer BBI Rarrel

COL Cartridge Overall Length

RFF Reformed

#### The loads shown in this section should be followed just as they are printed. These loads are like recipes. The closer they are followed, the better the resultant load.

## /arnings

NEVER Exceed the Loads Listed in This Publication

For all brands of powders use only the components shown. If the reloader makes any changes in components or gets new lot numbers, he should begin again with the starting loads and work up to maximum cautiously.

The loads shown here are at maximum. Reduce them by 10% and work up to the load that works best for you. NEVER EXCEED THE LISTED LOADS.

H110 Loads should not be reduced more than 3%. Reduce H110 Loads 3% and work up from there. H110 if reduced too much will cause inconsistent ignition. In some cases it will lodge a bullet in the barrel, causing a hazardous situation (Barrel Obstruction). This may cause severe personal injury or death to users or bystanders.

#### DO NOT REDUCE H110 LOADS BY MORE THAN 3%.

40 S&W WARNING: This data is intended for use in firearms with barrels which fully support the cartridge in the chamber. Use of this data in firearms which do not fully support the cartridge may result in bulged cases, ruptured cases, case head separation, or other condition which may result in damage to the firearm and/or result in injury or death of the shooter and/or bystanders.

#### Brands

**BAR** Barnes BER - Berger BLX - Bull-X

- Freedom Arms FΑ

HDY - Hornady NOS - Nosler

REM - Reminaton SIE - Sierra

SFT - Swift SPR - Speer

WIN - Winchester

#### Primers

Large Pistol

LPM - Large Pistol Magnum

- Small Pistol

SPM - Small Pistol Magnum

#### Bullets

A-Max - Hornady Match

- Bench Rest RT - Ballistic Tip

**FMC** - Full Metal Case FM.J - Full Metal Jacket

FMJBT - Full Metal Jacket Boat Tail

FΝ - Flat Nose FΡ - Flat Point

FP.J - Full Plated Jacket

FS - Fail Safe GC - Gas Check

GDHP - Gold Dot Hollow Point

GDSP - Gold Dot Soft Point

GS - Grand Slam HB - Hollow Base

HC. - Hollow Cavity - Hollow Point HP

- Hollow Point Boat Tail **HPBT** 

**HSP** - Hollow Soft Point

JFP - Jacketed Flat Point **JHC** Jacketed Hollow Cavity

JHP Jacketed Hollow Point

JRN. Jacketed Round Nose JSP Jacketed Soft Point

JSWC. Jacketed

Semi-Wadcutter LBBWC - Lead Bevel Base

Wadcutter LFP - Lead Flat Point

LHBWC - Lead Hollow Base Wadcutter

 Lead Round Nose LRN

LSWC - Lead Semi-Wadcutter MK - Match King

MT-SP - Mag Tip Soft Point

PSPCL-Pointed Soft Point

"Core-Lokt"

RN - Round Nose SB - Solid Base SI Short Jacket

SP - Soft Point, Spitzer, Spire Point

SPBT - Soft Point Boat Tail

ST - Silvertip TM.J Totally Metal Jacket

**UCHP** - Uni-cor Hollow Point WC - Wadcutter

Χ - X Bullet XFB - X Flat Base

**XBT** - X Boat Tail - X Boat Tail Coated XBTC



DULLET	BOWD	ED C	D VE	I CLID	BUILET	DOWNER	CB	VEI	CLID
BULLET	POWD	ER G	R VE	L CUP	BULLET	POWDER		VEL	CUP
223 REMI	NGTON		CASE:	WINCHESTER	400 00 110	Y SP	• •		COL: 2.330"
BBL: 15"				NCHESTER SE	BL-		0.5	2142	
40 GR. NOS	RT	• • • •		COL: 2.280	" H33		9.0 8.5	2103 2115	
VAR		28.0 C	3069	47,200 CUF			6.5	2092	
BL-C		28.5	2910	45,400 CUF	H41		3.0	1977	
H335		28.0	3231	44,600 CUF					
H489	95 CHMARK	27.5 C 27.3	3060 3174	44,500 CUF 51,000 CUF	7 101101 00 1	REMINGTO			REMINGTON
H322		25.5	3087	48,000 CUF				K: KEIVII	NGTON 9 1/2
H419	98	22.5	3014	49,600 CUF	o 100 GR. BA			0707	COL: 2.650"
50 GR. SPR	SD.	• • • •		COL: 2.210	H38		9.0 5.7	2786 2931	46,300 CUP 49,600 CUP
VAR(		27.5 C	2959	44,800 CUF			6.5	2873	50,000 CUP
BL-C		28.0	2851	47,100 CUF			1.2	2752	49,700 CUP
H335		26.0	2834	51,700 CUF	P H48	395 4 <u>.</u>	5.0	2942	49,900 CUP
H489		27.5 C	3024	51,300 CUF		ICHMARK 4.	2.5	2827	49,600 CUP
H322	CHMARK	26.5 24.0	2953 2740	50,400 CUF 49,300 CUF	139 GR. HD				COL: 2.800"
H419		21.5	2824	45,900 CUF	D H43		0.0 C	2581	47,500 CUP
55 GR. SPR		• • • •		COL: 2.200	H41		7.0 7.0	2451 2528	44,100 CUP 46,800 CUP
VAR		27.5 C	2972	49.700 CUF			7.0 3.5	2612	50,000 CUP
BL-C		27.5	2816	48,500 CUF			4.7	2572	49,900 CUP
H335	5	25.3	2799	49,300 CUF	P H33	35 4	0.0	2425	49,400 CUP
H489		26.0	2880	49,000 CUF			2.5	2575	50,200 CUP
	CHMARK		2840	50,000 CUF		ICHMARK 4	0.5	2520	49,600 CUP
H322 H419		23.0 21.0	2638 2719	48,900 CUF 47,600 CUF	) 102 GK. FIL				COL: 2.875"
	,,,	21.0	2717	17,000 001			8.0 C	2472 2388	49,800 CUP
25 ACP			CASE:	WINCHESTER	H41		5.0 4.0	2368	44,500 CUP 45,800 CUP
BBL: 2"			PR: F	EDERAL 100N			1.0	2468	49,800 CUP
50 GR. SIE F				COL: .900	" H33		8.2	2338	50,100 CUP
	/ERSAL	1.4	751	16,600 CUF			9.5	2429	49,800 CUP
HP-3	38 GROUP	1.5 1.3	788 752	17,900 CUF 17,200 CUF		ICHMARK 3	8.0	2394	49,200 CUP
	GROOF	1.5	732	17,200 COF	= 30-30 WI	<b>NCHESTE</b>	₹		VINCHESTER
7мм TCU				EDERAL (REF)				PR: WIN	CHESTER LR
BBL: 14"			PR:	FEDERAL 205	130 01. 31	R FP			COL: 2.540"
120 GR. SPF	R SP			COL: 2.410			6.0 C	2238	35,700 CUP
BL-C		28.0	2047		BL- H48		7.5 5.0	2101 2194	32,800 CUP 35,300 CUP
H335 H489		27.0 26.0	2035 2020			ICHMARK 2		2020	37,100 CUP
H322		26.0	2020				•	2020	
H419		23.0	2075		150 GR. SII		4.5	2119	<b>COL: 2.550</b> " 36,200 CUP
H422	27	18.0	1914				7.0	2060	33,900 CUP
139 GR. HD\	Y SP			COL: 2.625	" H48		4.0	2116	36,700 CUP
BL-C		27.0	1979		BEN	ICHMARK 2	9.0	1944	37,200 CUP
H335		26.0	1946		308 WIN	CHESTER		CASE·V	VINCHESTER
H489		25.0	2001		BBL: 15"	OHLSTER			DERAL 210M
H322 H419		24.0 21.0	1938 1904		130 GR. SP		• •		
H422		16.5	1635				0.0 C	2847	<b>COL: 2.615</b> " 50,400 CUP
							1.5	2820	49,700 CUP
7 <sub>MM</sub> BR R	EMING	TON		: REMINGTON	<b>√</b> H33	35 4	6.0	2755	49,700 CUP
BBL: 14"			PR: WI	NCHESTER SF			9.0 C	2831	50,100 CUP
120 GR. SIE				COL: 2.284	" BEN H32		6.0 3.0	2767 2664	50,100 CUP 49,800 CUP
BL-C		32.0	2342		H41	98 3	7.0	2590	49,700 CUP
H335 H489		31.0 31.0	2376 2363		150 GR. NO		• •		COL: 2.800"
H322		29.0	2323				7.0 C	2675	50,300 CUP
H419		24.5	2250				8.0	2614	50,000 CUP



BULLET	POWDE	R GR	VEL	CUP	BULLET	POWDER	GR	VEL	CUP
					502221	TOTTDET	Oit		
H335 H489	_	44.0	2541 2649	51,200 CUP 51,000 CUP	380 AUT	<u> </u>		CASE:	REMINGTON
		45.5 43.0	2596	49.000 CUP	BBL: 3.75"	_		ONOL.	PR: CCI 500
H322		40.0	2471	50,500 CUP	90 GR. HDY	, • • • • • • , I⊓D	• •		COL: .955"
168 GR. SIE I	IPRT	• • •		COL: 2.800"			3.6	955	15,700 CUP
VARG		46.0 C	2580	50,600 CUP	HP-		3.5	957	15,400 CUP
BL-C(	(2)	47.0	2531	50,200 CUP	TITI	GROUP	3.2	970	15,600 CUP
H335 H489	_	42.0	2406 2484	49,300 CUP 49,500 CUP	100 GR. HD	Y FMJ			COL: .980"
		43.5 42.0	2463	49,300 CUP 49,300 CUP	UNI	VERSAL	3.4	889	16,100 CUP
BENO	T IIVII (I CIC	12.0	2 100	17,000 001	HP-		3.1	843	15,400 CUP
32 ACP				VINCHESTER		EGROUP	3.0	912	14,700 CUP
			PR: F	EDERAL 100	9мм LUG	FR		CASE: \	WINCHESTER
71 GR. SIE FI		2.4	001	COL: .978"	BBL: 4"				PR: CCI 500
HP-38	ERSAL	2.4 2.3	881 871	14,900 CUP 14,400 CUP	115 GR. SP	R GDHP	• •		COL: 1.125"
	ROUP	2.2	910	14,800 CUP			6.0	1203	32,300 PSI
CLAY		1.7	830	15,000 CUP	HS-	6	7.0	1234	29,400 CUP
22.60\\\\\	ONIO						5.0	1149	31,200 CUP
32 S&W L	ONG		CASE:	REMINGTON	HP-		5.1	1167	28,100 CUP
BBL: 5.32"				PR: CCI 500	CLA		4.8 3.9	1158 1095	30,500 CUP 32,600 CUP
85 GR. HDY J			0.15	COL: 1.160"			3.9	1095	•
	ERSAL	3.0	865	12,000 CUP	125 GR. SII			44.0	COL: 1.090"
HP-38	SROUP	2.7 2.4	810 819	11,500 CUP 11,300 CUP			5.7	1162 1169	33,400 PSI
		2.4	017	•	HS-	-	6.8 4.9	1118	27,100 CUP 30,600 CUP
90 GR. HDY L	L <b>SWC</b> ERSAL	2.7	844	COL: 1.850" 10,200 CUP	HP-		4.8	1088	28,800 CUP
HP-38		2.7	831	10,200 CUP 11,300 CUP			4.4	1136	30,600 CUP
	ROUP	2.1	818	10,900 CUP	CLA		3.7	1056	32,500 CUP
00.110.0.14					147 GR. HD	Y XTP	• •		COL: 1.100"
32 H&R M	AGNUN	/I		SE: FEDERAL			4.7	1004	33,800 PSI
			PK: F	EDERAL 100	HS-		5.0	885	27,900 CUP
85 GR. HDY I		0.5	1151	COL: 1.290"			3.3	869	31,000 CUP
H422 LIL'GI		9.5 12.0	1151 1263	21,000 CUP 16,800 CUP		EGROUP	3.6	929	27,500 CUP
	SHOT	5.0	1167	20,200 CUP	38 SUPE	R AUTO		CASE:	REMINGTON
HS-6		5.6	1146	20,200 CUP	BBL: 5"				NGTON 1 1/2
	ERSAL	4.3	1123	19,000 CUP	115 GR. HD		• •		COL: 1.245"
HP-38		3.8 3.7	1003 1110	20,700 CUP			7.1	1301	31,600 CUP
	ROUP	3.7	1110	20,900 CUP	HS-		8.5	1314	31,500 CUP
90 GR. SIE JI		40.0	4070	COL: 1.340"	UNI	VERSAL	5.5	1225	32,300 CUP
H422 LIL'GI		10.0 11.5	1079 1227	17,000 CUP 18,000 CUP	HP-		6.1	1261	32,700 CUP
	SHOT	5.0	1139	19,500 CUP	IIII	EGROUP	5.3	1208	31,800 CUP
HS-6		6.0	1140	20,200 CUP	125 GR. SI	FMJ			COL: 1.275"
	ERSAL	4.0	1072	20,000 CUP			6.9	1247	32,600 CUP
HP-38		4.0	1033	20,300 CUP	HS-		8.3	1271	32,100 CUP
	ROUP	3.6	1060	20,600 CUP	UNI HP-		5.5 5.7	1179 1159	32,300 CUP 31,200 CUP
100 GR. SPR			405/	COL: 1.345"			5.7 5.0	1124	31,200 CUP
LONG	SHOT	4.7	1056	19,300 CUP			• •	1121	•
32-20 WIN	CHEST	FR	CASE.	REMINGTON	130 GR. SII		6.8	1215	<b>COL: 1.275</b> " 32,000 CUP
BBL: 5.5"				CHESTER SP	HS-		o.o 8.2	1215	32,500 CUP
85 GR. HDY J	IHD	• • •		COL: 1.550"			5.3	1124	32,200 CUP
LIL'GI		8.0	1102	15,700 CUP	HP-		5.5	1134	31,200 CUP
TITEG	ROUP	3.5	961	15,900 CUP	TITI	GROUP	4.9	1116	31,000 CUP
100 GR. REM		• • •		COL: 1.580"	135 GR. NC	S IPSC	• •		COL: 1.265"
LIL'GI	JN	7.5	1018	15,700 CUP			2.8	1357	32,400 CUP
TITEG	ROUP	3.5	908	16,000 CUP	LON	IGSHOT	6.1	1105	32,100 CUP



BULLET	POWDE	ER GR	VEL	CUP	BULLET	POWDE	ER G	R VEL	CUP
					110	,	0.0	4000	00 700 DCI
38 SPECI	ΔΙ		CASE·	WINCHESTER	HS-		9.0 5.8	1339 1235	38,700 PSI 38,500 PSI
BBL: 7.7"	/ \L			CHESTER SP	UN	IVERSAL	0.0	1233	30,300 F31
					147 GR. HE				COL: 1.140"
125 GR. HD HS-		7.0	1048	<b>COL: 1.455</b> " 16,600 CUP		NGSHOT	7.5	1254	38,700 PSI
	o VERSAL	7.2 5.2	1048	17,000 CUP	HS-		7.6	1173	36,600 PSI
HP-3		4.9	934	16,300 CUP	UN	IVERSAL	4.9	1062	36,300 PSI
	GROUP	4.6	1010	15,600 CUP	357 MAG	NII IN A		CASE	WINCHESTER
CLA		3.9	937	16,100 CUP	BBL: 10"	DINOIVI			HESTER SPM
140 GR. HD		• • •						FR. WINC	
140 GR. HD HS-		6.5	933	COL: 1.455" 16.000 CUP	125 GR. HI			4000	COL: 1.590"
	VERSAL	4.8	939	15,400 CUP	H42		20.0	1839	42,000 CUP
HP-3		4.6	861	15,400 CUP	H11	VGSHOT	22.0	1966 1647	41,400 CUP 42,000 CUP
	GROUP	4.2	919	15,800 CUP	HS-		9.7 10.9	1629	42,000 CUP
CLA		3.7	869	16,700 CUP		IVERSAL	7.6	1453	39,600 CUP
148 GR. HD	V I LIBWC	• • •		COL: 1.160"	HP-		8.5	1514	42,700 CUP
HS-		5.2	943	14.300 CUP	TIT	EGROUP	7.5	1497	41,200 CUP
HP-		4.0	956	15,900 CUP			• • •		
	VERSAL	3.8	940	15,600 CUP	146 GR. SP H42		16.0	1566	<b>COL</b> : <b>1.535</b> " 42,700 CUP
	GROUP	3.3	908	11,800 CUP	H11		17.2	1691	42,700 CUP
CLA	YS	2.5	836	13,200 CUP		NGSHOT	8.6	1483	42,600 CUP
158 GR. HD	V XTP	• • •		COL: 1.455"	HS-		9.5	1461	41,800 CUP
H42		10.0	864	15,500 CUP	UN	IVERSAL	6.5	1261	39,900 CUP
HS-		6.2	862	16,300 CUP	HP-	-38	7.1	1330	42,200 CUP
	VERSAL	4.4	778	16,200 CUP	TIT	EGROUP	6.6	1317	42,900 CUP
HP-:		4.3	779	15,900 CUP	158 GR. HE	Y XTP			COL: 1.580"
	GROUP	3.9	798	15,900 CUP	H42		16.0	1520	42,600 CUP
CLA	YS	3.1	721	16,600 CUP	H11	0	16.7	1591	40,700 CUP
38 SPECI	AL .D		CACE. I	MINCHIECTED		GUN	18.0	1577	25,800 CUP
30 SPEUI BBL: 7.7"	AL +P			VINCHESTER CHESTER SP		NGSHOT	8.4	1394	43,200 CUP
	ada ara fai	ruco in m			HS-		9.5	1375	41,900 CUP
NOTE: Lo				ed in small	UNI HP-	IVERSAL	6.3 6.9	1133 1220	39,300 CUP 40,000 CUP
				or are they		EGROUP	6.1	1220	41,900 CUP
intended for			011013, 110	or are arey			0.1	1227	•
					180 GR. NO		40.7	4000	COL: 1.575"
125 GR. HD			4000	COL: 1.455"	H42		13.7	1308	40,900 CUP
	IGSHOT	7.0	1228 1138	18,300 PSI 19,500 CUP	H11	GUN	13.5 15.0	1396 1422	39,100 CUP 34,500 CUP
HS-6	o VERSAL	7.8 5.4	1072	19,500 CUP 18,900 CUP		NGSHOT	7.2	1167	41,700 CUP
HP-:		5.3	1072	19,800 CUP		EGROUP	5.5	1020	40,300 CUP
	GROUP	5.0	1069	18,700 CUP			0.0	.020	.0,000 00.
		• • •		•	357 REM	IINGTON	MAXI	MUM	
140 GR. HD	IGSHOT	6.4	1126	<b>COL: 1.455</b> " 17,700 PSI	REMINGTO	N			
H42		12.4	1120	19,400 CUP	BBL: 10"			PR: REMI	NGTON 7 1/2
HS-		7.0	992	18,300 CUP	160 GR. HE	Y JTC SIL			COL: 1.890"
	VERSAL	5.1	1022	19,100 CUP	H42		22.5	1814	
HP-:	38	4.9	892	18,600 CUP	H11	0	24.0	1886	
TITE	GROUP	4.6	984	19,300 CUP	180 GR. SF	II2 I MT Q	• • •		COL: 1.990"
158 GR. HD	V XTP	• • •		COL: 1.455"	H42		20.0	1645	COL. 1.770
	IGSHOT	5.5	965	17.000 PSI	H11		21.0	1694	
H42		11.0	964	17,600 CUP					
HS-		6.6	926	18,700 CUP	35 REMI	NGTON		CASE:	REMINGTON
	VERSAL	4.7	837	19,200 CUP	BBL: 14"			PR: REMI	NGTON 9 1/2
HP-:		4.6	807	18,100 CUP	180 GR. SP	R FN	• • •		COL: 2.470"
	GROUP	4.3	905	19,300 CUP		RGET	40.5	1998	32,500 CUP
357 SIG			CA	SE: FEDERAL	BL-	C(2)	43.0	1954	32,300 CUP
337 31G BBL: 4"				CHESTER SP	H33	35	37.5	1921	33,600 CUP
		• • •	CIX. VVIIV		H48		39.0	2031	33,100 CUP
124 GR. HD		0.2	1420	COL: 1.135"		NCHMARK	35.5	1932	32,300 CUP
LON	IGSHOT	9.3	1429	37,900 PSI	H32	<u>/</u>	35.0	1915	33,100 CUP



BULLET F	OWDER	GR	VEL	CUP	BULLET	POWDE	R GR	VEL	CUP
H4198	32.	0 19	977	33,000 CUP			• • •		
200 GR. HDY R		•		COL: 2.510"	180 GR. HD	IGSHOT	8.0	1159	<b>COL: 1.125</b> " 32,300 PSI
VARGE			797	33,300 CUP	HS-		6.9	976	32,500 PSI
BL-C(2)			589	31,700 CUP		VERSAL	5.8	1046	33,400 PSI
H335 H4895	37. 38.		720 772	33,200 CUP 32,300 CUP	HP-	38 EGROUP	5.0 4.7	947 978	32,900 PSI 33,300 PSI
BENCH			766	32,600 CUP	CLA		3.5	847	34,300 PSI
H322	33.		570	33,100 CUP	200 GR. HD	Y XTP	• • •		COL: 1.125"
H4198	30.	5 16	580	31,700 CUP		IGSHOT	6.0	954	32,500 PSI
9 X 18mm M BBL: 4"	IAKAROV			VINCHESTER CHESTER SP		VERSAL	6.3 4.7	900 903	32,800 PSI 33,600 PSI
90 GR. SPR FP	• • • • •	•		COL: .970"	HP- TITE	38 EGROUP	4.7 3.8	857 822	33,400 PSI 31,700 PSI
UNIVER		9 10	)22	23,000 PSI			3.0	022	31,700131
HP-38	4.		031	24,000 PSI	10mm AU	TO			VINCHESTER
TITEGR		/ 10	053	22,900 PSI	BBL: 5"		• • •	PR: WIN	CHESTER LP
95 GR. HDY XT		0 10	030	COL: .965" 23,800 PSI	180 GR. SIE	E <b>JHC</b> IGSHOT	9.5	1287	<b>COL: 1.260</b> " 34,600 PSI
UNIVEF HP-38	RSAL 4. 3.		990	24,000 PSI	HS-		9.4	1127	35,800 PSI
TITEGR			)22	22,500 PSI		VERSAL	6.4	1122	32,200 PSI
100 GR. SIE JF	P			COL: .970"	HP-	38 EGROUP	5.8 6.0	1061 1141	34,900 PSI 34,300 PSI
UNIVER			996	23,600 PSI	200 GR. HD		0.0	1141	COL: 1.260"
HP-38 TITEGR	3. ROUP 3.		969 011	23,500 PSI 23,500 PSI		IGSHOT	8.2	1172	35.000 PSI
					HS-		8.6	1089	35,900 PSI
375 JDJ				NGTON (REF)	UNI HP-	VERSAL	5.9 5.6	1015 1011	36,900 PSI 35,700 PSI
BBL: 14"	• • • • •		PK: FE	DERAL 210M		EGROUP	5.3	1024	36,100 PSI
200 GR. SIE FF				COL: 2.750"					
H/1805	52	N 21	1/17		41 DEMI	A MOTOR	AL IIA OAN	A CACE	DEMINISTON
H4895 H322	52. 50.		147 077				/AGNUN		REMINGTON CHESTER LP
	50.			COL: 2.970"	BBL: 10.12!	ō"	/IAGNUN		CHESTER LP
H322 300 GR. HDY R H4895	50. <b>RN</b> 46.	0 20 0 19	951	COL: 2.970"		5" E JHC	<b>1AGNUN</b> • • • 24.9	PR: WIN	CHESTER LP COL: 1.575" 35,600 CUP
H322 <b>300 GR. HDY R</b>	50. RN	0 20 0 19	)77	COL: 2.970"	BBL: 10.12! 170 GR. SIE H42 H11	5" E <b>JHC</b> 127 0	24.9 26.5	PR: WIN	CHESTER LP COL: 1.575" 35,600 CUP 37,400 CUP
H322 300 GR. HDY F H4895 H322 38-40 WINC	50. RN 46. 42.	0 20 0 19 0 17	951 773 <b>CASE: V</b>	WINCHESTER	BBL: 10.12! 170 GR. SIE H42 H11	5" E <b>JHC</b> 127 O IGSHOT	24.9	PR: WIN	CHESTER LP COL: 1.575" 35,600 CUP 37,400 CUP 38,700 CUP
H322 300 GR. HDY R H4895 H322	50. 46. 42. CHESTER	0 20 0 19 0 17	951 773 <b>CASE: V</b>		BBL: 10.12! 170 GR. SIE H42 H11 LON HS- UNI	5" E <b>JHC</b> 127 0 IGSHOT 6 VERSAL	24.9 26.5 12.5 13.7 10.3	PR: WIN 1745 1887 1646 1597 1488	CHESTER LP COL: 1.575" 35,600 CUP 37,400 CUP 38,700 CUP 37,200 CUP 38,700 CUP
H322 300 GR. HDY R H4895 H322 38-40 WINC BBL: 5.5" 180 GR. CAST	50. 46. 42. CHESTER	0 20 0 19 0 17 C	951 773  CASE: V	WINCHESTER ICHESTER LP COL: 1.600"	BBL: 10.12! 170 GR. SIE H42 H11 LON HS- UNI HP-	5" E JHC 127 0 IGSHOT 6 VERSAL 38	24.9 26.5 12.5 13.7 10.3 9.8	1745 1887 1646 1597 1488 1440	COL: 1.575" 35,600 CUP 37,400 CUP 38,700 CUP 37,200 CUP 38,700 CUP 38,300 CUP
H322 300 GR. HDY R H4895 H322 38-40 WINC BBL: 5.5" 180 GR. CAST UNIVER	50. 46. 42. CHESTER LRNFP RSAL 7.	0 20 0 19 0 17 0 Pl	951 773 ———— CASE: V R: WIN	WINCHESTER ICHESTER LP COL: 1.600" 11,900 PSI	BBL: 10.12! 170 GR. SIE H42 H11 LON HS- UNI HP- TITI	5" E JHC 127 0 IGSHOT 6 VERSAL 38 EGROUP	24.9 26.5 12.5 13.7 10.3	PR: WIN 1745 1887 1646 1597 1488	CHESTER LP  COL: 1.575" 35,600 CUP 37,400 CUP 38,700 CUP 38,700 CUP 38,700 CUP 38,300 CUP 37,700 CUP
H322 300 GR. HDY R H4895 H322 38-40 WINC BBL: 5.5" 180 GR. CAST	46. 42. CHESTER LRNFP RSAL 7. 6.	0 20 0 19 0 17 0 Pl	951 773  CASE: V	WINCHESTER ICHESTER LP COL: 1.600"	BBL: 10.12! 170 GR. SIE H42 H11 LON HS- UNI HP- TITI 220 GR. SP	5" E JHC 27 0 IGSHOT 6 VERSAL 38 EGROUP R JSP	24.9 26.5 12.5 13.7 10.3 9.8 9.2	PR: WIN 1745 1887 1646 1597 1488 1440 1470	CHESTER LP  COL: 1.575" 35,600 CUP 37,400 CUP 38,700 CUP 38,700 CUP 38,700 CUP 38,300 CUP 37,700 CUP COL: 1.580"
H322 300 GR. HDY R H4895 H322 38-40 WINC BBL: 5.5" 180 GR. CAST UNIVEF HP-38	46. 42. CHESTER LRNFP RSAL 7. 6.	0 20 0 19 0 17 0 Pl	951 773 <b>EASE: V</b> R: WIN	WINCHESTER ICHESTER LP COL: 1.600" 11,900 PSI 13,500 PSI	BBL: 10.129 170 GR. SIE H42 H11 LON HS- UNI HP- TITI 220 GR. SP H42	5" E JHC 127 0 IGSHOT 6 VERSAL 38 EGROUP R JSP 127	24.9 26.5 12.5 13.7 10.3 9.8 9.2	PR: WIN 1745 1887 1646 1597 1488 1440 1470	CHESTER LP  COL: 1.575" 35,600 CUP 37,400 CUP 38,700 CUP 38,700 CUP 38,700 CUP 38,700 CUP 37,700 CUP COL: 1.580" 37,500 CUP 31,200 CUP
H322 300 GR. HDY R H4895 H322 38-40 WINC BBL: 5.5" 180 GR. CAST UNIVEF HP-38 TITEGR CLAYS	50. 46. 42.  CHESTER  LRNFP RSAL 7. 6. ROUP 6.	0 20 0 19 0 17 0 Pl	951 773 CASE: V R: WIN 955 934 990 389	MINCHESTER ICHESTER LP COL: 1.600" 11,900 PSI 13,500 PSI 13,300 PSI 13,500 PSI	BBL: 10.12! 170 GR. SIE H42 H11 LON HS- UNI HP- TITE 220 GR. SP H42 H11	5" E JHC 127 0 IGSHOT 6 VERSAL 38 EGROUP R JSP 127 0 GUN	24.9 26.5 12.5 13.7 10.3 9.8 9.2 20.0 20.0 20.5	PR: WIN 1745 1887 1646 1597 1488 1440 1470 1433 1563 1626	CHESTER LP  COL: 1.575" 35,600 CUP 37,400 CUP 38,700 CUP 38,700 CUP 38,700 CUP 37,700 CUP COL: 1.580" 37,500 CUP 29,900 CUP
H322 300 GR. HDY R H4895 H322 38-40 WINC BBL: 5.5" 180 GR. CAST UNIVEE HP-38 TITEGR	50. 46. 42.  CHESTER  LRNFP RSAL 7. 6. ROUP 6.	0 20 0 19 0 17 0 Pl	951 773 CASE: V R: WIN 955 934 990 389	MINCHESTER ICHESTER LP COL: 1.600" 11,900 PSI 13,500 PSI 13,300 PSI	BBL: 10.12 170 GR. SIE H42 H11 LON HS- UNI HP- 220 GR. SP H42 H11 LIC LON	5" E JHC 27 0 IGSHOT 6 VERSAL 38 EGROUP R JSP 27 0 GUN IGSHOT 6	24.9 26.5 12.5 13.7 10.3 9.8 9.2 20.0 20.0 20.0 20.5 10.1 11.3	PR: WIN 1745 1887 1646 1597 1488 1440 1470	CHESTER LP  COL: 1.575" 35,600 CUP 37,400 CUP 38,700 CUP 38,700 CUP 38,700 CUP 38,700 CUP 37,700 CUP COL: 1.580" 37,500 CUP 29,900 CUP 29,900 CUP 37,700 CUP 36,700 CUP
H322 300 GR. HDY R H4895 H322 38-40 WINC BBL: 5.5" 180 GR. CAST UNIVEE HP-38 TITEGG CLAYS 40 S&W BBL: 4" WARNING:	50. 46. 42.  CHESTER  LRNFP RSAL 7. 60UP 6. 5.  This data	0 20 0 19 0 17 C Pl 5 9 8 9 4 9 5 8	951 773 CASE: V R: WIN 955 934 990 389 CAS	WINCHESTER ICHESTER LP COL: 1.600" 11,900 PSI 13,500 PSI 13,500 PSI 13,500 PSI E: HORNADY CHESTER SP or use in	BBL: 10.129 170 GR. SIE H42 H11 LON HS- UNI HP- TITI 220 GR. SP H42 H11 LIL' LON HS-	5" E JHC 127 0 IGSHOT 6 VERSAL 38 EGROUP R JSP 27 0 GUN IGSHOT 6 VERSAL	24.9 26.5 12.5 13.7 10.3 9.8 9.2 20.0 20.0 20.5 10.1 11.3 8.5	PR: WIN 1745 1887 1646 1597 1488 1440 1470 1433 1563 1626 1311 1271 1178	CHESTER LP  COL: 1.575" 35,600 CUP 37,400 CUP 38,700 CUP 38,700 CUP 38,700 CUP 37,700 CUP 37,700 CUP 31,200 CUP 31,200 CUP 31,200 CUP 37,700 CUP 36,700 CUP 36,700 CUP 37,700 CUP 38,600 CUP 38,600 CUP
H322 300 GR. HDY F H4895 H322  38-40 WINC BBL: 5.5"  180 GR. CAST UNIVE HP-38 TITEGF CLAYS  40 S&W BBL: 4"  WARNING: firearms with the same than the same th	50. 46. 42. CHESTER  LRNFP RSAL 7. 6. COUP 6. 5.  This data th barrels	0 20 0 19 0 17 C Pl 55 9 8 9 4 9 5 Pl is interwhich fu	951 773 CASE: WIN 955 934 990 389 CAS R: WIN	MINCHESTER ICHESTER LP  COL: 1.600" 11,900 PSI 13,500 PSI 13,500 PSI 13,500 PSI E: HORNADY CHESTER SP or use in pport the	BBL: 10.12! 170 GR. SIE H42 H11 LON HS- UNI HP- TITE 220 GR. SP H42 H11 LIL' LON HS-	5" E JHC 127 0 IGSHOT 6 VERSAL 38 EGROUP R JSP 127 0 GUN IGSHOT 6 VERSAL 38	24.9 26.5 12.5 13.7 10.3 9.8 9.2 20.0 20.5 10.1 11.3 8.5 8.0	PR: WIN 1745 1887 1646 1597 1488 1440 1470 1433 1563 1626 1311 1271 1178 1125	CHESTER LP  COL: 1.575" 35,600 CUP 37,400 CUP 38,700 CUP 38,700 CUP 38,700 CUP 37,700 CUP COL: 1.580" 37,500 CUP 29,900 CUP 29,900 CUP 36,700 CUP 36,700 CUP 36,700 CUP 36,700 CUP
H322 300 GR. HDY R H4895 H322 38-40 WINC BBL: 5.5" 180 GR. CAST UNIVEE HP-38 TITEGG CLAYS 40 S&W BBL: 4" WARNING:	50. 46. 42. CHESTER  LRNFP RSAL 7. 6. ROUP 6. 5.  This data th barrels the chaml	0 20 0 19 0 17 0 Pl 5 8 8 9 5 8 9 Pl is inter which fu	951 773 CASE: WIN 955 934 990 389 CAS R: WIN nded f	MINCHESTER ICHESTER LP  COL: 1.600" 11,900 PSI 13,500 PSI 13,500 PSI 13,500 PSI E: HORNADY CHESTER SP or use in pport the is data in	BBL: 10.124 170 GR. SIE H42 H11 LON HS- UNI HP- 1220 GR. SP H42 H11 LIL' LON HS- UNI HP- TITI	5" E JHC 27 0 IGSHOT 6 VERSAL 38 EGROUP R JSP 27 0 GUN IGSHOT 6 VERSAL 38 EGROUP 6 VERSAL	24.9 26.5 12.5 13.7 10.3 9.8 9.2 20.0 20.0 20.5 10.1 11.3 8.5	PR: WIN 1745 1887 1646 1597 1488 1440 1470 1433 1563 1626 1271 1178 1125 1127	CHESTER LP  COL: 1.575" 35,600 CUP 37,400 CUP 37,200 CUP 38,700 CUP 38,700 CUP 38,700 CUP 38,700 CUP 38,700 CUP 37,700 CUP COL: 1.580" 37,500 CUP 31,200 CUP 29,900 CUP 37,700 CUP 36,700 CUP 38,600 CUP 38,600 CUP 33,700 CUP
H322 300 GR. HDY R H4895 H322 38-40 WINC BBL: 5.5" 180 GR. CAST UNIVET HP-38 TITEGR CLAYS 40 S&W BBL: 4" WARNING: firearms wit cartridge in firearms whin may result ir	50. 46. 42. CHESTER  LRNFP RSAL 7. 60UP 6. 5. This data th barrels the chaml	0 20 0 19 0 17 C Pl 5 9 4 9 5 8 9 1 is inter which fu beel. Use bully supp	277 2773 2773 2773 2773 2773 2773 2773	WINCHESTER ICHESTER LP COL: 1.600" 11,900 PSI 13,500 PSI 13,500 PSI 13,500 PSI E: HORNADY CHESTER SP or use in pport the is data in pc cartridge ases, case	BBL: 10.12! 170 GR. SIE H42 H11 LON HS- UNI HP- 1111 LON H5- UNI H10 H42 H11 LIL' LON H5- UNI HP- TITE	5" E JHC 27 0 IGSHOT 6 VERSAL 38 EGROUP R JSP 27 0 GUN IGSHOT 6 VERSAL 38 EGROUP 6 VERSAL	24.9 26.5 12.5 13.7 10.3 9.8 9.2 20.0 20.5 10.1 11.3 8.5 8.0	PR: WIN 1745 1887 1646 1597 1488 1440 1470 1433 1563 1626 1311 1271 1178 1125 1127	CHESTER LP  COL: 1.575" 35,600 CUP 37,400 CUP 37,400 CUP 38,700 CUP 38,700 CUP 38,700 CUP 37,700 CUP 31,200 CUP 31,200 CUP 31,200 CUP 31,700 CUP 36,700 CUP 36,700 CUP 38,600 CUP 38,600 CUP 33,700 CUP
H322 300 GR. HDY F H4895 H322 38-40 WINC BBL: 5.5" 180 GR. CAST UNIVEF HP-38 TITEGF CLAYS 40 S&W BBL: 4" WARNING: firearms with cartridge in firearms which may result in head separa	CHESTER  LRNFP RSAL 7. 6. COUP 6. This data th barrels the chaml ch do not fi bulged cat tion, or oth	0 20 0 19 0 17 C Pl 5 9 4 9 5 8 Pl is inter which fu ber. Use ully supp ses, rupt ler condi	277 2773 2773 2773 2773 2773 2773 2773	MINCHESTER ICHESTER LP  COL: 1.600" 11,900 PSI 13,500 PSI 13,500 PSI 13,500 PSI E: HORNADY CHESTER SP or use in pport the is data in e cartridge ases, case which may	BBL: 10.12! 170 GR. SIE H42 H11 LON HS- UNI HP- TITI LON H5- UNI H7- TITI 44 S&W BBL: 8"	5" E JHC 27 0 IGSHOT 6 VERSAL 38 EGROUP R JSP 27 0 GUN IGSHOT 6 VERSAL 38 EGROUP SPECIAL	24.9 26.5 12.5 13.7 10.3 9.8 9.2 20.0 20.5 10.1 11.3 8.5 8.0	PR: WIN 1745 1887 1646 1597 1488 1440 1470 1433 1563 1626 1311 1271 1178 1125 1127	CHESTER LP  COL: 1.575" 35,600 CUP 37,400 CUP 37,400 CUP 38,700 CUP 38,700 CUP 38,300 CUP 37,700 CUP 20,900 CUP 31,200 CUP 29,900 CUP 31,700 CUP 36,700 CUP 36,700 CUP 38,600 CUP 38,600 CUP 38,600 CUP 38,700 CUP
H322 300 GR. HDY R H4895 H322 38-40 WINC BBL: 5.5" 180 GR. CAST UNIVET HP-38 TITEGR CLAYS 40 S&W BBL: 4" WARNING: firearms wit cartridge in firearms whin may result ir	CHESTER  LRNFP RSAL 7. COUP 6. 5.  This data th barrels the cham the do not for a bulged car tion, or oth ange to the the of the sho	0 20 0 17 0 17 C Pl 5 8 9 4 4 9 5 8 9 is inter which fu ber. Use ully suppleses, ruptiler condi-	777 773 773 783 783 795 795 795 795 795 795 795 795 795 795	MINCHESTER ICHESTER LP  COL: 1.600" 11,900 PSI 13,500 PSI 13,500 PSI 13,500 PSI E: HORNADY CHESTER SP or use in pport the is data in e cartridge ases, case which may r result in	BBL: 10.12! 170 GR. SIE H42 H11 LON HS- UNI HP- TITE 220 GR. SP H42 H11 LIL' LON HS- UNI HP- TITE 44 S&W BBL: 8"	5" E JHC 127 0 IGSHOT 6 VERSAL 38 EGROUP 87 JSP 27 0 GUN IGSHOT 6 VERSAL 38 EGROUP SPECIAL ST LRNFP	24.9 26.5 12.5 13.7 10.3 9.8 9.2 20.0 20.0 20.5 10.1 11.3 8.5 8.0 7.3	PR: WIN 1745 1887 1646 1597 1488 1440 1470 1433 1563 1626 1311 1271 1178 1125 1127 CAS PR: WIN	CHESTER LP  COL: 1.575" 35,600 CUP 37,400 CUP 37,400 CUP 38,700 CUP 38,700 CUP 38,700 CUP 37,700 CUP 37,700 CUP 31,200 CUP 31,200 CUP 29,900 CUP 37,700 CUP 36,700 CUP 36,700 CUP 38,600 CUP 38,600 CUP 36,700 CUP 37,700 CUP COL: 1.580" CUP COL: 1.580" CUP COL: 1.580" CUP
H322 300 GR. HDY F H4895 H322 38-40 WINC BBL: 5.5" 180 GR. CAST UNIVEF HP-38 TITEGG CLAYS 40 S&W BBL: 4" WARNING: firearms wit cartridge in firearms whi may result in head separa result in dan injury or deat	CHESTER  LRNFP RSAL 7. 6. COUP 6. This data h barrels the chaml h do not fi n bulged cat tion, or oth nage to the h of the sho	0 20 0 17 0 17 C Pl 5 8 9 4 4 9 5 8 9 is inter which fu ber. Use ully suppleses, ruptiler condi-	777 773 773 783 783 795 795 795 795 795 795 795 795 795 795	VINCHESTER ICHESTER LP  COL: 1.600" 11,900 PSI 13,500 PSI 13,500 PSI 13,500 PSI E: HORNADY CHESTER SP or use in pport the is data in e cartridge ases, case which may r result in tanders.	BBL: 10.124 170 GR. SIB H42 H11 LON HS- UNI HP- 111 LIL' LON HS- UNI HP- TITI 44 S&W BBL: 8" 185 GR. CA	5" E JHC 27 0 1GSHOT 6 VERSAL 38 EGROUP R JSP 27 0 GUN 1GSHOT 6 VERSAL 38 EGROUP SPECIAL ST LRNFP VERSAL 38	24.9 26.5 12.5 13.7 10.3 9.8 9.2 20.0 20.0 20.0 20.5 8.5 8.0 7.3	PR: WIN 1745 1887 1646 1597 1488 1440 1470  1433 1563 1626 1331 1271 1178 1125 1127  CAS PR: WIN 1031 953	CHESTER LP  COL: 1.575" 35,600 CUP 37,400 CUP 37,400 CUP 38,700 CUP 38,700 CUP 38,700 CUP 38,700 CUP 38,700 CUP 31,200 CUP 31,200 CUP 31,200 CUP 36,700 CUP 36,700 CUP 36,700 CUP 36,700 CUP 38,600 CUP 36,700 CUP 31,200 CUP
H322 300 GR. HDY R H4895 H322  38-40 WINC BBL: 5.5"  180 GR. CAST UNIVEE HP-38 TITEGR CLAYS  40 S&W BBL: 4" WARNING: firearms with cartridge in firearms whin may result in head separar result in dan injury or deat  135 GR. NOS J LONGS	This data the chamber to the hof the sho	0 20 0 17 0 17 C Pl 5 8 9 8 9 4 4 9 5 8 9 18 inter which fuber. Use ully suppses, ruptier condi- er firearm oter and/	777 773 2ASE: N CASE: N P P P P P P P P P P P P P P P P P P P	MINCHESTER ICHESTER LP  COL: 1.600" 11,900 PSI 13,500 PSI 13,500 PSI 13,500 PSI Which may result in tanders.  COL: 1.125" 32,400 PSI	BBL: 10.121 170 GR. SIE H42 H11 LON HS- UNI HP- TITI 220 GR. SP H42 H11 LIL' LON HS- UNI HP- TITIE 44 S&W BBL: 8" 185 GR. CA	5" E JHC 127 0 1GSHOT 6 VERSAL 38 EGROUP R JSP 127 0 GUN 1GSHOT 6 VERSAL 38 EGROUP SPECIAL ST LRNFP VERSAL 38 EGROUP	24.9 26.5 13.7 10.3 9.8 9.2 20.0 20.0 20.5 10.1 11.3 8.5 8.0 7.3	PR: WIN  1745 1887 1646 1597 1488 1440 1470  1433 1563 1626 1311 1178 1125 1127  CAS PR: WIN  1031 953 1025	CHESTER LP  COL: 1.575" 35,600 CUP 37,400 CUP 37,400 CUP 38,700 CUP 38,700 CUP 38,700 CUP 37,700 CUP 37,700 CUP 31,200 CUP 31,200 CUP 31,200 CUP 31,700 CUP 36,700 CUP 38,600 CUP 33,700 CUP 33,700 CUP 12,500 CUP 13,900 CUP
H322 300 GR. HDY R H4895 H322  38-40 WINC BBL: 5.5"  180 GR. CAST UNIVEE HP-38 TITEGG CLAYS  40 S&W BBL: 4" WARNING: firearms with cartridge in firearms whin may result in head separar result in dan injury or deat 135 GR. NOS J LONGS HS-6	This data th barrels the chaml to do not for bulged catting, or other hof the sho	0 20 0 19 0 17 C Pl 5 9 8 9 4 4 9 5 8 is inter which fu belly supp ses, rupt her condi firearm oter and/	2077 2077 2078 2078 2078 2078 2078 2078	WINCHESTER ICHESTER LP COL: 1.600" 11,900 PSI 13,500 PSI 13,500 PSI 13,500 PSI E: HORNADY CHESTER SP or use in pport the is data in e cartridge ases, case which may r result in tanders. COL: 1.125" 32,400 PSI 33,600 PSI	BBL: 10.121 170 GR. SIE H42 H11 LON HS- UNI HP- TITI  220 GR. SP H42 H11 LIC LON HS- UNI HP- TITI  44 S&W BBL: 8"  185 GR. CA UNI HP- TITI CLA	5" E JHC 27 0 IGSHOT 6 VERSAL 38 EGROUP R JSP 27 0 GUN IGSHOT 6 VERSAL 38 EGROUP SPECIAL ST LRNFP VERSAL 38 EGROUP	24.9 26.5 12.5 13.7 10.3 9.8 9.2 20.0 20.0 20.0 20.5 8.5 8.0 7.3	PR: WIN 1745 1887 1646 1597 1488 1440 1470  1433 1563 1626 1331 1271 1178 1125 1127  CAS PR: WIN 1031 953	CHESTER LP  COL: 1.575" 35,600 CUP 37,400 CUP 37,400 CUP 38,700 CUP 38,700 CUP 38,700 CUP 38,700 CUP 37,500 CUP 37,500 CUP 37,500 CUP 37,500 CUP 38,600 CUP 38,600 CUP 38,600 CUP 38,600 CUP 38,600 CUP 38,600 CUP 13,700 CUP
H322 300 GR. HDY R H4895 H322  38-40 WINC BBL: 5.5"  180 GR. CAST UNIVEF HP-38 TITEGF CLAYS  40 S&W BBL: 4" WARNING: firearms wit cartridge in firearms whi may result in dan injury or deat  135 GR. NOS J LONGS HS-6 UNIVER	CHESTER  46. 42.  CHESTER  LRNFP RSAL 7. 6. COUP 6. 5.  This data th barrels the chaml th do not fi n bulged cat tion, or oth nage to the h of the sho  HP HOT 12. RSAL 7.	0 20 0 19 0 17 C PI 5 8 4 5 8 4 certain term which fuber. Use ber condition for the certain of t	2077 2077 2077 2078 2077 2077 2077 2077	WINCHESTER ICHESTER LP  COL: 1.600" 11,900 PSI 13,500 PSI 13,500 PSI 13,500 PSI E: HORNADY CHESTER SP or use in pport the is data in e cartridge ases, case which may r result in tanders.  COL: 1.125" 32,400 PSI 32,500 PSI	BBL: 10.12! 170 GR. SIE H42 H11 LON HS- UNI HP- TITE 44 S&W BBL: 8" 185 GR. CA UNI HP- TITE 240 GR. CA	5" E JHC 127 0 IGSHOT 6 VERSAL 38 EGROUP R JSP 127 0 GUN IGSHOT 6 VERSAL 38 EGROUP SPECIAL ST LRNFP VERSAL 38 EGROUP VERSAL 38 EGROUP ST LSWC	24.9 26.5 13.7 10.3 9.2 20.0 20.0 20.5 10.1 11.3 8.5 8.0 7.3	PR: WIN  1745 1887 1646 1597 1488 1440 1470  1433 1563 1626 1311 1271 1178 1125 1127  CAS PR: WIN  1031 1953 1025 930	CHESTER LP  COL: 1.575" 35,600 CUP 37,400 CUP 37,400 CUP 38,700 CUP 38,700 CUP 38,700 CUP 37,700 CUP 37,700 CUP 31,200 CUP 31,200 CUP 31,700 CUP 36,700 CUP 36,700 CUP 36,700 CUP 36,700 CUP 36,700 CUP 37,700 CUP 37,700 CUP 38,600 CUP 31,200 CUP 31,700 CUP
H322 300 GR. HDY R H4895 H322  38-40 WINC BBL: 5.5"  180 GR. CAST UNIVEE HP-38 TITEGR CLAYS  40 S&W BBL: 4" WARNING: firearms whi cartridge in firearms whi may result in head separar result in dan injury or deat 135 GR. NOS J LONGS HS-6 UNIVEE HP-38 TITEGR	This data the chamber to the chamber to the hof the sho hof the sho hof the sho hof the SAL 7.  RSAL 7.  ROUP 6.  This data the chamber the chamber the chamber the sho hof the sho hof the sho hof the sho hof the SAL 7.  ROUP 6.	0 20 0 17 0 17 C Pl 5 8 9 5 8 9 6 4 9 5 8 9 6 9 6 9 6 9 7 9 8 9 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9	D77  CASE: N	WINCHESTER ICHESTER LP COL: 1.600" 11,900 PSI 13,500 PSI 13,500 PSI 13,500 PSI 13,500 PSI E: HORNADY CHESTER SP or use in pport the is data in e cartridge ases, case which may r result in landers.  COL: 1.125" 32,400 PSI 33,600 PSI 33,500 PSI 33,100 PSI 33,100 PSI 33,200 PSI	BBL: 10.121 170 GR. SIE 142 H11 LON HS- UNI HP- 111 LIL' LON HS- UNI HP- TITI 44 S&W BBL: 8" 185 GR. CA UNI HP- TITI CLA 240 GR. CA	5" 5 JHC 27 0 10GSHOT 6 VERSAL 38 EGROUP R JSP 127 0 GUN IGSHOT 6 VERSAL 38 EGROUP SPECIAL ST LRNFP VERSAL 38 EGROUP YS ST LSWC 27 6 6	24.9 26.5 12.5 13.7 10.3 9.8 9.2 20.0 20.0 20.0 20.5 10.1 11.3 8.5 8.0 7.3	PR: WIN 1745 1887 1646 1597 1488 1440 1470  1433 1563 1626 1331 1271 1178 1125 1127  CAS PR: WIN 1031 953 1025 930	CHESTER LP  COL: 1.575" 35,600 CUP 37,400 CUP 37,400 CUP 38,700 CUP 38,700 CUP 38,700 CUP 38,700 CUP 38,700 CUP 38,700 CUP 37,500 CUP 31,200 CUP 29,900 CUP 36,700 CUP 36,700 CUP 38,600 CUP 38,600 CUP 13,700 CUP 11,600 CUP 12,500 CUP 11,600 CUP 11,600 CUP 12,500 CUP 11,600 CUP 11,600 CUP 12,500 CUP 11,600 CUP 11,600 CUP 11,600 CUP 11,600 CUP 11,600 CUP 11,600 CUP
H322 300 GR. HDY F H4895 H322  38-40 WINC BBL: 5.5"  180 GR. CAST UNIVEF HP-38 TITEGF CLAYS  40 S&W BBL: 4" WARNING: firearms whit cartridge in firearms whit may result in dan injury or deat  135 GR. NOS J LONGS HS-6 UNIVEF HP-38	This data th barrels the chamber of the hof the shown of the hof the shown of the chamber of the chamber of the shown of t	0 20 0 17 0 17 C Pl 5 8 9 5 8 9 6 4 9 5 8 9 6 9 6 9 6 9 7 9 8 9 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9	777 773 CASE: N R: WIN 755 734 7990 389 CAS R: WIN 1990	MINCHESTER ICHESTER LP  COL: 1.600" 11,900 PSI 13,500 PSI 13,500 PSI 13,500 PSI 13,500 PSI E: HORNADY CHESTER SP or use in pport the is data in e cartridge ases, case which may r result in tanders.  COL: 1.125" 32,400 PSI 33,600 PSI 33,500 PSI 33,100 PSI	BBL: 10.121 170 GR. SIE 142 H11 LON HS- UNI HP- 111 LIL' LON HS- UNI HP- TITI 44 S&W BBL: 8" 185 GR. CA UNI HP- TITI CLA 240 GR. CA	5" E JHC 127 0 IGSHOT 6 VERSAL 38 EGROUP R JSP 127 0 GUN IGSHOT 6 VERSAL 38 EGROUP SPECIAL ST LRNFP VERSAL 38 EGROUP SPECIAL ST LRNFP VERSAL 38 EGROUP SSPECIAL ST LRNFP VERSAL 38 EGROUP SST LSWC 127	24.9 26.5 12.5 13.7 10.3 9.8 9.2 20.0 20.0 20.0 10.1 11.3 8.5 8.0 7.3	PR: WIN 1745 1887 1646 1597 1488 1440 1470  1433 1563 1563 1521 1127  CAS PR: WIN 1031 953 1025 930	CHESTER LP  COL: 1.575" 35,600 CUP 37,400 CUP 37,400 CUP 38,700 CUP 38,700 CUP 38,700 CUP 38,700 CUP 37,500 CUP 37,500 CUP 31,200 CUP 31,200 CUP 36,700 CUP 36,700 CUP 38,600 CUP 38,600 CUP 38,600 CUP 38,600 CUP 13,200 CUP 11,600 CUP 11,600 CUP 13,200 CUP 13,200 CUP 13,200 CUP COL: 1.450"



DILLET									
BULLET	POWDI	ER (	GR VEL	CUP	BULLET	POWDE	R GR	VEL	CUP
HP-		5.2	858	13,200 CUP	HP-		5.9	906	15,800 CUP
	EGROUP	4.8	862	13,100 CUP		EGROUP	5.5	956	17,000 CUP
CLA	AYS	4.0	771	13,500 CUP	CLA	AYS	4.9	981	17,400 CUP
44 40 \\	INICHIECT		2125		200 GR. SP	R IHP			COL: 1.155"
44-40 WI	INCHE21	EK		WINCHESTER		NGSHOT	7.8	1013	16,900 CUP
BBL: 6"			PR: WIN	ICHESTER LP	HS-		9.0	948	16,400 CUP
200 GR. CA				COL: 1.600"		IVERSAL	6.7	930	17,200 CUP
UNI	IVERSAL	7.3	777	11,100 PSI	HP-		5.9	906	16,700 CUP
HP-	-38	6.5	820	12,400 PSI		EGROUP	5.2	884	16,900 CUP
	EGROUP	6.2	901	12,900 PSI	CL/		4.3	785	17,700 CUP
CLA	AYS	5.0	765	11,700 PSI	CLA	113	4.5	705	17,700 COF
					230 GR. HD	Y FMJ FP			COL: 1.200"
44 REMII	ngton n	Magn	IUM		LON	NGSHOT	6.8	908	17,200 CUP
			CASE: \	NINCHESTER	HS-		8.2	825	15,400 CUP
BBL: 8.275'	" 		PR: REM	INGTON 2 1/2	UN	IVERSAL	6.0	853	16,900 CUP
200 GR. NO		• • • •		COL: 1.600"	HP-	-38	5.3	832	16,800 CUP
H42		27.0	1686	37,800 CUP	TIT	EGROUP	4.8	818	16,700 CUP
H11		28.5	1806	37,800 CUP	CLA	AYS	4.0	732	17,000 CUP
	GUN	29.5	1794	36,200 CUP					
	NGSHOT	14.3	1534	34,600 PSI	460 ROV	/LAND		CAS	SE: STARLINE
HS-		16.7	1569	37,700 CUP	BBL: 5"			PR: WIN	ICHESTER LP
	IVERSAL	11.1	1398	38,300 CUP	185 GR. HE				COL . 1 240!
HP-		11.9	1444	37,400 CUP			12 F	1502	COL: 1.240"
TITE	EGROUP	10.8	1433	38,400 CUP	LUI	NGSHOT	13.5	1503	38,800 CUP
		• • •		•	200 GR. SP	R JHP			COL: 1.225"
240 GR. NO	)2 JHP	24.0	1.450	COL: 1.600"	LON	NGSHOT	13.8	1456	39,400 CUP
H42		24.0	1458	36,100 CUP					001 4 0701
H11		24.0 24.5	1522 1582	36,200 CUP 38,100 CUP	230 GR. HE		10.0	100/	COL: 1.270"
HS-	GUN 7	16.5	1394	38,200 CUP	LOI	NGSHOT	12.0	1336	39,200 CUP
	NGSHOT	12.1	1331	34,500 PSI	45 COLT			CACE	MINOLIECTED
HS-		15.1	1417	38,200 CUP					WINCHESTER
IINI	IVERSAL	10.2	1246	38,200 CUP	BBL: 7.25"			PR: WIN	ICHESTER LP
HP-					200 GR. CA				COL: 1.600"
HP- TITI	-38	11.0	1272	37,800 CUP			8.8	1067	COL: 1.600" 13,600 CUP
TITE	-38 EGROUP			37,800 CUP 37,700 CUP	UN	IST LRNFP IVERSAL	8.8		13,600 CUP
TITE 300 GR. HD	-38 Egroup Dy XTP	11.0 10.0	1272 1292	37,800 CUP 37,700 CUP COL: 1.600"	UNI HP-	IVERSAL 38	8.8 8.0	1002	13,600 CUP 13,800 CUP
TITE 300 GR. HD H42	-38 Egroup D <b>y XTP</b> 227	11.0 10.0 20.0	1272 1292 1312	37,800 CUP 37,700 CUP <b>COL: 1.600</b> " 38,600 CUP	UNI HP- TIT	IST LRNFP IVERSAL 38 EGROUP	8.8 8.0 7.7	1002 1050	13,600 CUP 13,800 CUP 12,700 CUP
TITE 300 GR. HD H42 H11	-38 EGROUP DY XTP 227 0	11.0 10.0 20.0 19.0	1272 1292 1312 1325	37,800 CUP 37,700 CUP <b>COL: 1.600"</b> 38,600 CUP 38,800 CUP	UNI HP- TIT CL <i>I</i>	IST LRNFP IVERSAL 38 EGROUP AYS	8.8 8.0	1002	13,600 CUP 13,800 CUP 12,700 CUP 13,100 CUP
TITE 300 GR. HD H42 H11 LIL'	-38 EGROUP DY XTP 227 0 'GUN	11.0 10.0 20.0 19.0 17.7	1272 1292 1312 1325 1280	37,800 CUP 37,700 CUP <b>COL: 1.600</b> " 38,600 CUP 38,800 CUP 37,600 CUP	UNI HP- TIT CL/ 260 GR. SF	ST LRNFP IVERSAL 38 EGROUP AYS PR GDHP	8.8 8.0 7.7 5.9	1002 1050 931	13,600 CUP 13,800 CUP 12,700 CUP 13,100 CUP COL: 1.595"
TITE 300 GR. HD H42 H11 LIL' HS-	38 EGROUP DY XTP 227 0 GUN -7	11.0 10.0 20.0 19.0 17.7 14.0	1272 1292 1312 1325 1280 1214	37,800 CUP 37,700 CUP COL: 1.600" 38,600 CUP 38,800 CUP 37,600 CUP 37,300 CUP	UNI HP: TIT CL <i>I</i> <b>260 GR. SF</b> HS:	ST LRNFP IVERSAL :38 EGROUP AYS PR GDHP :6	8.8 8.0 7.7 5.9	1002 1050 931 865	13,600 CUP 13,800 CUP 12,700 CUP 13,100 CUP <b>COL: 1.595</b> " 14,000 CUP
300 GR. HD H42 H11 LIL' HS- LON	-38 EGROUP DY XTP 227 0 'GUN -7 NGSHOT	11.0 10.0 20.0 19.0 17.7 14.0 9.5	1272 1292 1312 1325 1280 1214 1071	37,800 CUP 37,700 CUP COL: 1.600" 38,600 CUP 38,800 CUP 37,600 CUP 37,300 CUP 34,700 PSI	UNI HP: TIT CL <i>I</i> <b>260 GR. SF</b> HS: UNI	ST LRNFP IVERSAL -38 EGROUP AYS PR GDHP -6 IVERSAL	8.8 8.0 7.7 5.9	1002 1050 931 865 813	13,600 CUP 13,800 CUP 12,700 CUP 13,100 CUP <b>COL: 1.595</b> " 14,000 CUP 14,000 CUP
300 GR. HD H42 H11 LIL' HS- LON HS-	38 EGROUP DY XTP 227 0 GUN -7 NGSHOT -6	11.0 10.0 20.0 19.0 17.7 14.0 9.5 13.0	1272 1292 1312 1325 1280 1214 1071 1214	37,800 CUP 37,700 CUP COL: 1.600" 38,600 CUP 38,800 CUP 37,600 CUP 37,300 CUP 34,700 PSI 37,900 CUP	UN HP: TIT CL <i>I</i> <b>260 GR. SF</b> HS: UN HP:	IST LRNFP IVERSAL 38 EGROUP IVS IVERSAL 38	8.8 8.0 7.7 5.9 ••• 10.7 8.0 7.1	1002 1050 931 865 813 787	13,600 CUP 13,800 CUP 12,700 CUP 13,100 CUP <b>COL: 1.595"</b> 14,000 CUP 14,000 CUP 14,000 CUP
300 GR. HD H42 H11 LIL' HS- LON HS- UNI	38 EGROUP DY XTP 227 0 GUN -7 NGSHOT -6 IVERSAL	11.0 10.0 20.0 19.0 17.7 14.0 9.5 13.0 9.6	1272 1292 1312 1325 1280 1214 1071 1214 1113	37,800 CUP 37,700 CUP COL: 1.600" 38,600 CUP 38,800 CUP 37,600 CUP 34,700 CUP 34,700 CUP 38,200 CUP	UN HP: TIT CL <i>I</i> <b>260 GR. SF</b> HS: UN HP:	ST LRNFP IVERSAL -38 EGROUP AYS PR GDHP -6 IVERSAL	8.8 8.0 7.7 5.9	1002 1050 931 865 813	13,600 CUP 13,800 CUP 12,700 CUP 13,100 CUP <b>COL: 1.595</b> " 14,000 CUP 14,000 CUP
TITE 300 GR. HD H42 H11 LIL' HS- LON HS- UNI UNI HP-	38 EGROUP DY XTP 227 0 GUN -7 NGSHOT -6 IVERSAL 38	11.0 10.0 20.0 19.0 17.7 14.0 9.5 13.0 9.6 10.0	1272 1292 1312 1325 1280 1214 1071 1214 1113 1149	37,800 CUP 37,700 CUP COL: 1.600" 38,600 CUP 37,600 CUP 37,300 CUP 34,700 PSI 37,900 CUP 38,200 CUP 38,100 CUP	UN HP- TIT CL/ <b>260 GR. SF</b> HS- UN HP- TIT	IST LRNFP IVERSAL 38 EGROUP AVS PR GDHP 6 VERSAL 38 EGROUP	8.8 8.0 7.7 5.9 ••• 10.7 8.0 7.1	1002 1050 931 865 813 787	13,600 CUP 13,800 CUP 12,700 CUP 13,100 CUP <b>COL: 1.595</b> " 14,000 CUP 14,000 CUP 14,000 CUP 12,500 CUP
TITE 300 GR. HD H42 H11 LIL' HS- LON HS- UNI UNI HP-	38 EGROUP DY XTP 227 0 GUN -7 NGSHOT -6 IVERSAL	11.0 10.0 20.0 19.0 17.7 14.0 9.5 13.0 9.6	1272 1292 1312 1325 1280 1214 1071 1214 1113	37,800 CUP 37,700 CUP COL: 1.600" 38,600 CUP 38,800 CUP 37,600 CUP 34,700 CUP 34,700 CUP 38,200 CUP	UN HP- TIT CL/ 260 GR. SF HS- UN HP- TIT 300 GR. SII	IST LRNFP IVERSAL 38 EGROUP AYS PR GDHP 6 IVERSAL 38 EGROUP EJFP	8.8 8.0 7.7 5.9 10.7 8.0 7.1 6.3	1002 1050 931 865 813 787 797	13,600 CUP 13,800 CUP 12,700 CUP 13,100 CUP 14,000 CUP 14,000 CUP 14,000 CUP 12,500 CUP COL: 1.670"
300 GR. HD H42 H11 LIL' HS- LON HS- UNI HP- TITI	38 EGROUP DY XTP 227 0 'GUN -7 NGSHOT -6 IVERSAL 38 EGROUP	11.0 10.0 20.0 19.0 17.7 14.0 9.5 13.0 9.6 10.0	1272 1292 1312 1325 1280 1214 1071 1214 1113 1149 1186	37,800 CUP 37,700 CUP 38,600 CUP 38,800 CUP 37,600 CUP 37,300 CUP 34,700 PSI 37,900 CUP 38,200 CUP 38,400 CUP 38,400 CUP	UN HP. TIT CL/ 260 GR. SF HS- UN HP- TIT 300 GR. SI HS-	IST LRNFP VERSAL 38 EGROUP AYS OF GDHP 6 VERSAL 38 EGROUP E JFP 6	8.8 8.0 7.7 5.9 10.7 8.0 7.1 6.3	1002 1050 931 865 813 787 797	13,600 CUP 13,800 CUP 12,700 CUP 13,100 CUP 14,000 CUP 14,000 CUP 14,000 CUP 12,500 CUP COL: 1.670" 13,700 CUP
300 GR. HD H42 H11 LIL' HS- LON HS- UNI HP- TITI	38 EGROUP DY XTP 227 0 'GUN -7 NGSHOT -6 IVERSAL 38 EGROUP	11.0 10.0 20.0 19.0 17.7 14.0 9.5 13.0 9.6 10.0	1272 1292 1312 1325 1280 1214 1071 1214 1113 1149 1186	37,800 CUP 37,700 CUP 38,600 CUP 38,800 CUP 37,600 CUP 37,300 CUP 34,700 PSI 37,900 CUP 38,200 CUP 38,400 CUP 38,400 CUP	UN HP- TIT CL/ 260 GR. SF HS- UN HP- TIT 300 GR. SII HS-	IST LRNFP VERSAL 38 EGROUP AYS R GDHP 6 VERSAL 38 EGROUP EGROUP EJFP 6	8.8 8.0 7.7 5.9 10.7 8.0 7.1 6.3	1002 1050 931 865 813 787 797	13,600 CUP 13,800 CUP 12,700 CUP 13,100 CUP COL: 1.595" 14,000 CUP 14,000 CUP 12,500 CUP COL: 1.670" 13,700 CUP 13,700 CUP
300 GR. HD H42 H11 LIL' HS- LON HS- UNI HP- TITE 44 AUTO BBL: 6"	38 EGROUP DY XTP 227 0 GUN -7 VIGSHOT -6 IVERSAL -38 EGROUP	11.0 10.0 20.0 19.0 17.7 14.0 9.5 13.0 9.6 10.0 9.6	1272 1292 1312 1325 1280 1214 1071 1214 1113 1149 1186	37,800 CUP 37,700 CUP 38,600 CUP 38,800 CUP 37,600 CUP 37,300 CUP 34,700 PSI 37,900 CUP 38,200 CUP 38,400 CUP 38,400 CUP 38,400 CUP	UN HP- TIT CL/ 260 GR. SF HS- UN HP- TIT 300 GR. SII HS-	IST LRNFP VERSAL 38 EGROUP AYS OF GDHP 6 VERSAL 38 EGROUP E JFP 6	8.8 8.0 7.7 5.9 10.7 8.0 7.1 6.3	1002 1050 931 865 813 787 797	13,600 CUP 13,800 CUP 12,700 CUP 13,100 CUP 14,000 CUP 14,000 CUP 14,000 CUP 12,500 CUP COL: 1.670" 13,700 CUP
300 GR. HD H42 H11 LIL' HS- LON HS- UNI HP- TITI 44 AUTO BBL: 6"	38 EGROUP DY XTP 227 0 GUN -7 NGSHOT -6 VVERSAL 38 EGROUP  MAG  DY XTP	11.0 10.0 20.0 19.0 17.7 14.0 9.5 13.0 9.6 10.0 9.6	1272 1292 1312 1325 1280 1214 1071 1214 1113 1149 1186 CASE: FE	37,800 CUP 37,700 CUP 38,600 CUP 38,800 CUP 37,600 CUP 37,300 CUP 34,700 PSI 37,900 CUP 38,200 CUP 38,400 CUP 38,400 CUP	UN HP. TIT CL/ 260 GR. SF HS. TIT 300 GR. SII HS. UN TIT	IST LRNFP IVERSAL 38 EGROUP IVS IVERSAL 38 EGROUP 6 IVERSAL 38 EGROUP 6 IVERSAL 6 IVERSAL	8.8 8.0 7.7 5.9 10.7 8.0 7.1 6.3	1002 1050 931 865 813 787 797 730 700 682	13,600 CUP 13,800 CUP 12,700 CUP 13,100 CUP COL: 1.595" 14,000 CUP 14,000 CUP 12,500 CUP COL: 1.670" 13,700 CUP 13,700 CUP
300 GR. HE H42 H11 LIL' HS- LON HS- UNI HP- TITI  44 AUTO BBL: 6" 200 GR. HE	38 EGROUP DY XTP 227 0 GUN .7 NGSHOT .6 IVERSAL 38 EGROUP MAG	11.0 10.0 20.0 19.0 17.7 14.0 9.5 13.0 9.6	1272 1292 1312 1325 1280 1214 1071 1214 1113 1149 1186 CASE: FE	37,800 CUP 37,700 CUP 38,600 CUP 38,800 CUP 37,600 CUP 37,300 CUP 34,700 PSI 37,900 CUP 38,200 CUP 38,400 CUP 38,400 CUP 38,400 CUP	UN HP. TIT CL/ 260 GR. SF HS. TIT 300 GR. SII HS. UN TIT	IST LRNFP VERSAL 38 EGROUP AYS R GDHP 6 VERSAL 38 EGROUP EGROUP EJFP 6	8.8 8.0 7.7 5.9 10.7 8.0 7.1 6.3	1002 1050 931 865 813 787 797 730 700 682	13,600 CUP 13,800 CUP 12,700 CUP 13,100 CUP 14,000 CUP 14,000 CUP 14,000 CUP 12,500 CUP 13,700 CUP 12,900 CUP
300 GR. HD H42 H11 LIL' HS- LON HS- UNII HP- TITI 44 AUTO BBL: 6" 200 GR. HD	38 EGROUP DY XTP 227 0 GUN 7 NGSHOT 6 IVERSAL 38 EGROUP MAG DY XTP 227 0	11.0 10.0 20.0 19.0 17.7 14.0 9.5 13.0 9.6 26.0 25.0	1272 1292 1312 1325 1280 1214 1071 1214 1113 1149 1186 CASE: FE	37,800 CUP 37,700 CUP 38,600 CUP 38,800 CUP 37,600 CUP 37,300 CUP 34,700 PSI 37,900 CUP 38,200 CUP 38,400 CUP 38,400 CUP 38,400 CUP	260 GR. SF HS- UN HP- TIT 300 GR. SII HS- UN TIT 45 WINC	IST LRNFP IVERSAL 38 EGROUP IVS IVERSAL 38 EGROUP 6 IVERSAL 38 EGROUP 6 IVERSAL 6 IVERSAL	8.8 8.0 7.7 5.9 10.7 8.0 7.1 6.3	1002 1050 931 865 813 787 797 730 700 682	13,600 CUP 13,800 CUP 12,700 CUP 13,700 CUP 14,000 CUP 14,000 CUP 14,000 CUP 12,500 CUP 13,700 CUP 13,700 CUP 13,700 CUP 12,900 CUP
300 GR. HE H42 H11 LIL' HS- LON HS- UNI HP- TITI  44 AUTO BBL: 6" 200 GR. HE	38 EGROUP DY XTP 227 0 GUN 7 NGSHOT 6 IVERSAL 38 EGROUP MAG DY XTP 227 0	11.0 10.0 20.0 19.0 17.7 14.0 9.5 13.0 9.6	1272 1292 1312 1325 1280 1214 1071 1214 1113 1149 1186 CASE: FE	37,800 CUP 37,700 CUP 38,600 CUP 38,800 CUP 37,600 CUP 37,300 CUP 34,700 PSI 37,900 CUP 38,200 CUP 38,400 CUP 38,400 CUP 38,400 CUP	UN HP- TIT CL/ 260 GR. SF HS- UN HP- TIT 300 GR. SII HS- UN TIT 45 WINC	IST LRNFP IVERSAL 38 EGROUP IVS IR GDHP 6 IVERSAL 38 EGROUP E JFP 6 IVERSAL EGROUP HESTER	8.8 8.0 7.7 5.9 10.7 8.0 7.1 6.3 10.0 7.3 5.8	1002 1050 931 865 813 787 797 730 700 682	13,600 CUP 13,800 CUP 12,700 CUP 12,700 CUP 13,100 CUP 14,000 CUP 14,000 CUP 12,500 CUP 13,700 CUP 13,700 CUP 12,900 CUP  WINCHESTER PR: CCI 350
300 GR. HD H42 H11 LIL' HS- LON HS- UNI HP- TITI 44 AUTO BBL: 6" 200 GR. HD H42 H11 HS-	38 EGROUP DY XTP 227 0 GUN 7 NGSHOT 6 IVERSAL 38 EGROUP  MAG  DY XTP 227 0 7	11.0 10.0 20.0 19.0 17.7 14.0 9.5 13.0 9.6 26.0 25.0	1272 1292 1312 1325 1280 1214 1071 1214 1113 1149 1186 CASE: FE	37,800 CUP 37,700 CUP 38,600 CUP 38,600 CUP 37,600 CUP 37,300 CUP 34,700 PSI 37,900 CUP 38,200 CUP 38,100 CUP 38,400 CUP DERAL (REF) PR: CCI 350	260 GR. SF HS- UN HP- TIT 300 GR. SII HS- UN TIT 45 WINC	IST LRNFP VERSAL 38 EGROUP AYS IN GDHP 6 VERSAL 38 EGROUP E JFP 6 IVERSAL EGROUP HESTER	8.8 8.0 7.7 5.9 10.7 8.0 7.1 6.3 10.0 7.3 5.8	1002 1050 931 865 813 787 797 730 700 682 M CASE: V	13,600 CUP 13,800 CUP 12,700 CUP 12,700 CUP 13,100 CUP COL: 1.595" 14,000 CUP 14,000 CUP 12,500 CUP 13,700 CUP 13,700 CUP 12,900 CUP 12,900 CUP COL: 1.670" 13,700 CUP 12,900 CUP COL: 1.555"
300 GR. HD H42 H11 LIL' HS- LON HS- TITE 44 AUTO BBL: 6" 200 GR. HD H42 H11 HS-	38 EGROUP DY XTP 227 0 GUN -7 IVERSAL 38 EGROUP  MAG  WAG  MAG  SY XTP 227 0 -7 0 -7	11.0 10.0 20.0 19.0 17.7 14.0 9.5 13.0 9.6 10.0 9.6	1272 1292 1312 1325 1280 1214 1071 1214 1113 1149 1186 CASE: FE	37,800 CUP 37,700 CUP 38,600 CUP 38,800 CUP 37,600 CUP 37,300 CUP 34,700 PSI 37,900 CUP 38,200 CUP 38,400 CUP 38,400 CUP 38,400 CUP	UN HP. TIT CL/ 260 GR. SF HS. UN HP. TIT 300 GR. SI UN TIT 45 WINC BBL: 5" 230 GR. HE	IST LRNFP VERSAL 38 EGROUP AYS IR GDHP 6 VERSAL 38 EGROUP 6 VERSAL EGROUP HESTER  NY FMJ FP 227	8.8 8.0 7.7 5.9 10.7 8.0 7.1 6.3 10.0 7.3 5.8	1002 1050 931 865 813 787 797 730 700 682 M CASE: V	13,600 CUP 13,800 CUP 12,700 CUP 13,700 CUP 14,000 CUP 14,000 CUP 14,000 CUP 12,500 CUP 13,700 CUP 13,700 CUP 12,900 CUP  WINCHESTER PR: CCI 350 COL: 1.555" 29,400 CUP
300 GR. HD H42 H11 LIL' HS- LON HS- UNI HP- TITI 44 AUTO BBL: 6" 200 GR. HD H42 H11 HS- 240 GR. NO	38 EGROUP DY XTP 227 0 GUN -7 NGSHOT 6 IVERSAL 38 EGROUP  MAG  DY XTP 227 0 0 5 HP 227	11.0 10.0 20.0 19.0 17.7 14.0 9.5 13.0 9.6 10.0 9.6	1272 1292 1312 1325 1280 1214 1071 1214 1113 1149 1186 CASE: FE	37,800 CUP 37,700 CUP 38,600 CUP 38,600 CUP 37,600 CUP 37,300 CUP 34,700 PSI 37,900 CUP 38,200 CUP 38,100 CUP 38,400 CUP DERAL (REF) PR: CCI 350	260 GR. SF HS. UNI HP. TIT 300 GR. SI UNI TIT 45 WINC BBL: 5" 230 GR. HE	IST LRNFP IVERSAL 38 EGROUP IVS IR GDHP 6 IVERSAL 38 EGROUP E JFP 6 IVERSAL EGROUP HESTER  DY FMJ FP 227 0	8.8 8.0 7.7 5.9 10.7 8.0 7.1 6.3 10.0 7.3 5.8 MAGNU	1002 1050 931 865 813 787 797 730 700 682 M CASE: V	13,600 CUP 13,800 CUP 12,700 CUP 13,100 CUP 14,000 CUP 14,000 CUP 14,000 CUP 12,500 CUP 13,700 CUP 12,900 CUP 12,900 CUP 12,900 CUP  MINCHESTER PR: CCI 350 COL: 1.555" 29,400 CUP 29,000 CUP
300 GR. HD H42 H11 LIL' HS- LON HS- TITE 44 AUTO BBL: 6" 200 GR. HD H42 H11 HS-	38 EGROUP DY XTP 227 0 GUN -7 NGSHOT 6 IVERSAL 38 EGROUP  MAG  DY XTP 227 0 0 5 HP 227	11.0 10.0 20.0 19.0 17.7 14.0 9.5 13.0 9.6 10.0 9.6	1272 1292 1312 1325 1280 1214 1071 1214 1113 1149 1186 CASE: FE	37,800 CUP 37,700 CUP 38,600 CUP 38,600 CUP 37,600 CUP 37,300 CUP 34,700 PSI 37,900 CUP 38,200 CUP 38,100 CUP 38,400 CUP DERAL (REF) PR: CCI 350	UN HP- TIT CL/ 260 GR. SF HS- UN TIT 300 GR. SII HS- UN TIT 45 WINC BBL: 5" 230 GR. HE H42 H11	IST LRNFP IVERSAL 38 EGROUP IVS IR GDHP 6 IVERSAL 38 EGROUP E JFP 6 IVERSAL EGROUP HESTER  DY FMJ FP 227 0 6	8.8 8.0 7.7 5.9 10.7 8.0 7.1 6.3 10.0 7.3 5.8 MAGNU	1002 1050 931 865 813 787 797 730 700 682 M CASE: V	13,600 CUP 13,800 CUP 12,700 CUP 12,700 CUP 13,100 CUP 14,000 CUP 14,000 CUP 12,500 CUP 13,700 CUP 13,700 CUP 12,900 CUP  MINCHESTER PR: CCI 350 COL: 1.555" 29,400 CUP 29,000 CUP 36,600 CUP
300 GR. HD H42 H11 LIL' HS- LON HS- UNI HP- TITI 44 AUTO BBL: 6" 200 GR. HD H42 H11 HS- 240 GR. NO	38 EGROUP DY XTP 227 0 GUN -7 NGSHOT 6 IVERSAL 38 EGROUP  MAG  DY XTP 227 0 0 5 HP 227	11.0 10.0 20.0 19.0 17.7 14.0 9.5 13.0 9.6 10.0 9.6	1272 1292 1312 1325 1280 1214 1071 1214 1113 1149 1186 CASE: FE	37,800 CUP 37,700 CUP 38,600 CUP 38,600 CUP 37,600 CUP 37,300 CUP 34,700 PSI 37,900 CUP 38,200 CUP 38,100 CUP 38,400 CUP DERAL (REF) PR: CCI 350	UNI HP- TITT CL/ 260 GR. SF HS- UNI HP- TITT 300 GR. SII HS- UNI TIT 45 WINC  BBL: 5" 230 GR. HE H42 H11 HS-	IST LRNFP VERSAL 38 EGROUP AYS IN GOHP 6 VERSAL 38 EGROUP EJFP 6 IVERSAL EGROUP HESTER  DY FMJ FP 227 0 6 38	8.8 8.0 7.7 5.9 10.7 8.0 7.1 6.3 10.0 7.3 5.8 MAGNU	1002 1050 931 865 813 787 797 730 700 682 M CASE: V	13,600 CUP 13,800 CUP 12,700 CUP 13,100 CUP 13,100 CUP 14,000 CUP 14,000 CUP 12,500 CUP 13,700 CUP 12,900 CUP 12,900 CUP 12,900 CUP  MINCHESTER PR: CCI 350 COL: 1.555" 29,400 CUP 29,000 CUP
300 GR. HD H42 H11 LIL' HS- LON HS- TITI 44 AUTO BBL: 6" 200 GR. HD H42 H11 HS- 240 GR. NO H42 H11	38 EGROUP DY XTP 227 0 GUN -7 NGSHOT -6 VVERSAL -38 EGROUP  MAG  DY XTP 227 0 -7 DS HP 227 0	11.0 10.0 20.0 19.0 17.7 14.0 9.5 13.0 9.6 10.0 9.6 25.0 21.0	1272 1292 1312 1325 1280 1214 1071 1214 1113 1149 1186 CASE: FE	37,800 CUP 37,700 CUP 38,600 CUP 38,600 CUP 37,600 CUP 37,300 CUP 34,700 CUP 38,200 CUP 38,100 CUP 38,400 CUP DERAL (REF) PR: CCI 350 COL: 1.610"	260 GR. SF 11T 1260 GR. SF 145 171 180 GR. SI 180 171 17 181 182 183 184 184 184 185 186 186 187 188 188	IST LRNFP IVERSAL 38 EGROUP IVS IR GDHP 6 IVERSAL 38 EGROUP E JFP 6 IVERSAL E JF	8.8 8.0 7.7 5.9 10.7 8.0 7.1 6.3 10.0 7.3 5.8 MAGNU	1002 1050 931 865 813 787 797 730 700 682 M CASE: V	13,600 CUP 13,800 CUP 12,700 CUP 13,100 CUP 14,000 CUP 14,000 CUP 14,000 CUP 12,500 CUP 13,700 CUP 12,900 CUP 12,900 CUP  WINCHESTER PR: CCI 350 COL: 1.555" 29,400 CUP 29,000 CUP 37,100 CUP
300 GR. HD H42 H11 LIL' HS- LON HS- SUNI HP- TITI 44 AUTO BBL: 6" 200 GR. HD H42 H11 HS- 240 GR. NO H42 H11	38 EGROUP DY XTP 227 0 GUN -7 IVERSAL 38 EGROUP  MAG  MAG  DY XTP 227 0 -7 0 S HP 227 0	11.0 10.0 20.0 19.0 17.7 14.0 9.5 13.0 9.6 10.0 9.6 25.0 21.0	1272 1292 1312 1325 1280 1214 1071 1214 1113 1149 1186 CASE: FE	37,800 CUP 37,700 CUP 38,600 CUP 38,600 CUP 37,600 CUP 37,300 CUP 34,700 PSI 37,900 CUP 38,200 CUP 38,100 CUP 38,400 CUP DERAL (REF) PR: CCI 350 COL: 1.610"	UNI HP. TIT CL/ 260 GR. SF HS. UNI HP. TIT TIT 45 WINC  BBL: 5" 230 GR. HE H4( H11 HS. HP. 250 GR. NC	IST LRNFP IVERSAL 38 EGROUP IVERSAL 38 EGROUP 6 IVERSAL 6 IVERSAL EGROUP E JFP 6 IVERSAL EGROUP HESTER  DY FMJ FP 0 6 38 38 38 35 JHP	8.8 8.0 7.7 5.9 10.7 8.0 7.1 6.3 10.0 7.3 5.8 MAGNU	1002 1050 931 865 813 787 797 730 700 682 M CASE: V	13,600 CUP 13,800 CUP 12,700 CUP 12,700 CUP 13,100 CUP 14,000 CUP 14,000 CUP 12,500 CUP 13,700 CUP 13,700 CUP 13,700 CUP 12,900 CUP  WINCHESTER PR: CCI 350 COL: 1.555" 29,400 CUP 29,000 CUP 37,100 CUP 37,100 CUP COL: 1.500"
300 GR. HD H42 H11 LIL' HS- LON HS- UNI HP- TITI 44 AUTO BBL: 6" 200 GR. HD H42 H11 HS- 240 GR. NO H42 H11 HS- 185 GR. HD	38 EGROUP DY XTP 227 0 GUN 7 NGSHOT 6 IVERSAL 38 EGROUP  MAG  DY XTP 227 0 7 0 5 S HP 227 0	11.0 10.0 20.0 19.0 17.7 14.0 9.5 10.0 9.6 26.0 27.0 21.0 21.0	1272 1292 1312 1325 1280 1214 1071 1214 1113 1149 1186 CASE: FE	37,800 CUP 37,700 CUP 37,700 CUP 38,600 CUP 38,600 CUP 37,600 CUP 37,300 CUP 38,200 CUP 38,200 CUP 38,400 CUP 38,400 CUP COL: 1.610"  COL: 1.610"  WINCHESTER FEDERAL 150 COL: 1.195"	UNI HP. TIT CL/ 260 GR. SF HS. UNI HP. TIT 300 GR. SII HS. UNI TIT 45 WINC BBL: 5" 230 GR. HE H42 H11 HS. HP. 250 GR. NG H42 H42 H41 H5. HP. 250 GR. NG H42 H42 H43 H45 H42 H43 H45	IST LRNFP VERSAL 38 EGROUP AYS IR GDHP 6 VERSAL 38 EGROUP E JFP 6 IVERSAL EGROUP E JFP 6 10 ESTER  DY FMJ FP 227 0 6 38 05 JHP 227	8.8 8.0 7.7 5.9 10.7 8.0 7.1 6.3 10.0 7.3 5.8 MAGNU	1002 1050 931 865 813 787 797 730 700 682 M CASE: V	13,600 CUP 13,800 CUP 12,700 CUP 12,700 CUP 13,100 CUP 14,000 CUP 14,000 CUP 12,500 CUP 13,700 CUP 13,700 CUP 13,700 CUP 12,900 CUP 13,700 CUP 12,900 CUP 13,700 CUP 13,700 CUP 13,700 CUP 13,700 CUP
300 GR. HD H42 H11 LIL' HS- LON HS- TITI  44 AUTO BBL: 6" 200 GR. HD H42 H11 HS- 240 GR. NO H42 H11 HS- 185 GR. HD LON	38 EGROUP DY XTP 227 0 GUN -7 NGSHOT 6 VERSAL 38 EGROUP  MAG DY XTP 227 0 0 55 HP 227 0 OS HP 227 0 OS HP 227 0 OS HP	11.0 10.0 20.0 19.0 17.7 14.0 9.6 10.0 9.6 25.0 17.0 21.0	1272 1292 1312 1325 1280 1214 1071 1214 1113 1149 1186 CASE: FE	37,800 CUP 37,700 CUP 38,600 CUP 38,600 CUP 37,600 CUP 37,300 CUP 34,700 PSI 37,900 CUP 38,200 CUP 38,100 CUP 38,400 CUP COL: 1.610" COL: 1.610"	UNI HP. TIT CL/ 260 GR. SF HS. UNI HP. TIT 300 GR. SII HS. UNI TIT 45 WINC BBL: 5" 230 GR. HE H42 H11 HS. HP. 250 GR. NC H44 H11	IST LRNFP VERSAL 38 EGROUP AYS IR GDHP 6 VERSAL 38 EGROUP E JFP 6 VERSAL EGROUP HESTER  DY FMJ FP 227 0 6 38 DS JHP 227 0	8.8 8.0 7.7 5.9 10.7 8.0 7.1 6.3 10.0 7.3 5.8 MAGNU	1002 1050 931 865 813 787 797 730 682 M CASE: V	13,600 CUP 13,800 CUP 12,700 CUP 13,700 CUP 14,000 CUP 14,000 CUP 14,000 CUP 12,500 CUP 13,700 CUP 13,700 CUP 12,900 CUP 29,000 CUP 29,000 CUP 37,100 CUP 37,100 CUP 37,100 CUP 37,400 CUP 37,400 CUP
300 GR. HD H42 H11 HS- LON HS- TITI 44 AUTO BBL: 6" 200 GR. HD H42 H11 H5- 240 GR. NO H42 H11 H5- STORY H11 H5- H5- H5- H5- H5- H5- H5- H5-	38 EGROUP DY XTP 227 0 GUN 7 NGSHOT 6 VERSAL 38 EGROUP MAG DY XTP 227 0 7 DS HP 227 0 DY JSWC NGSHOT 6	11.0 10.0 20.0 19.0 17.7 14.0 9.5 13.0 9.6 10.0 9.6 25.0 17.0 21.0 21.0	1272 1292 1312 1325 1280 1214 1071 1214 1113 1149 1186 CASE: FE	37,800 CUP 37,700 CUP 38,600 CUP 38,600 CUP 38,800 CUP 37,600 CUP 37,300 CUP 34,700 CUP 38,200 CUP 38,100 CUP 38,400 CUP COL: 1.610"  COL: 1.600"  MINCHESTER FEDERAL 150  COL: 1.190"  17,000 CUP	UNI HP. TIT CL/S 260 GR. SF HS. UNI HP. TIT 300 GR. SI HS. UN TIT 230 GR. HE H4/L H11 HS. HP. 250 GR. NC H4/L H11 HS. HS. HP. 250 GR. NC H4/L H11 HS.	IST LRNFP IVERSAL 38 EGROUP IVS IR GDHP 6 IVERSAL 38 EGROUP E JFP 6 IVERSAL EGROUP E JFP 6 IVERSAL 6 IVERS	8.8 8.0 7.7 5.9 10.7 8.0 7.1 6.3 10.0 7.3 5.8 MAGNU 25.0 28.0 17.0 10.8	1002 1050 931 865 813 787 797 730 682 M CASE: V	13,600 CUP 13,800 CUP 12,700 CUP 13,100 CUP 14,000 CUP 14,000 CUP 14,000 CUP 12,500 CUP 13,700 CUP 12,900 CUP 12,900 CUP 12,900 CUP 29,000 CUP 29,000 CUP 29,000 CUP 37,100 CUP 37,100 CUP 37,100 CUP 37,700 CUP 37,700 CUP
300 GR. HD H42 H11 HS- LON HS- TITI 44 AUTO BBL: 6" 200 GR. HD H42 H11 H5- 240 GR. NO H42 H11 H5- STORY H11 H5- H5- H5- H5- H5- H5- H5- H5-	38 EGROUP DY XTP 227 0 GUN -7 NGSHOT 6 VERSAL 38 EGROUP  MAG DY XTP 227 0 0 55 HP 227 0 OS HP 227 0 OS HP 227 0 OS HP	11.0 10.0 20.0 19.0 17.7 14.0 9.6 10.0 9.6 25.0 17.0 21.0	1272 1292 1312 1325 1280 1214 1071 1214 1113 1149 1186 CASE: FE	37,800 CUP 37,700 CUP 38,600 CUP 38,600 CUP 37,600 CUP 37,300 CUP 34,700 PSI 37,900 CUP 38,200 CUP 38,100 CUP 38,400 CUP COL: 1.610" COL: 1.610"	UNI HP. TIT CL/ 260 GR. SF HS. UNI HP. TIT 300 GR. SII HS. UNI TIT 45 WINC BBL: 5" 230 GR. HE H42 H11 HS. HP. 250 GR. NC H44 H11	IST LRNFP IVERSAL 38 EGROUP IVS IR GDHP 6 IVERSAL 38 EGROUP E JFP 6 IVERSAL EGROUP E JFP 6 IVERSAL 6 IVERS	8.8 8.0 7.7 5.9 10.7 8.0 7.1 6.3 10.0 7.3 5.8 MAGNU	1002 1050 931 865 813 787 797 730 682 M CASE: V	13,600 CUP 13,800 CUP 12,700 CUP 13,700 CUP 14,000 CUP 14,000 CUP 14,000 CUP 12,500 CUP 13,700 CUP 13,700 CUP 12,900 CUP 29,000 CUP 29,000 CUP 37,100 CUP 37,100 CUP 37,100 CUP 37,400 CUP 37,400 CUP



**CUP** GR **VEL** BULLET **POWDER** GR VEL BULLET **POWDER** 454 CASULL CASE: FREEDOM ARMS BBL: 9.375" PR: WINCHESTER SR 260 GR. FA JFP COL: 1.765" 1762 42,100 CUP H4227 33.0 C H110 36.0 1954 51,600 CUP LIL'GUN 35.5 1895 37,900 CUP 260 GR. SPR JHP COL: 1.675" 15.0 1443 36,600 CUP LONGSHOT HS-6 16.8 1420 36,400 CUP UNIVERSAL 11.5 1245 34,900 CUP TITEGROUP 11.0 1270 35.900 CUP 300 GR. FA JFP COL: 1.775" H4227 31.0 C 1702 52,400 CUP H110 30.0 1716 53,700 CUP 31.0 1746 45,900 CUP LIL'GUN 480 RUGFR CASE: HORNADY BBL: 7 1/2" PR: WINCHESTER LP 325 GR. HDY XTP COL: 1.620" H4227 27.2 1477 45.600 PSI H110 27.0 1518 44,900 PSI LIL'GUN 25.1 1525 45,200 PSI 47,100 PSI LONGSHOT 14.5 1330 **TITEGROUP** 10.7 1158 46,200 PSI 400 GR, HDY XTP COL: 1.620" 1211 H4227 21.0 46,100 PSI 46,600 PSI 20.5 1258 H110 45,600 PSI LIL'GUN 18.0 1229 LONGSHOT 11.0 1082 46,900 PSI 46,800 PSI TITEGROUP 8.5 959 475 LINEBAUGH CASE: STARLINE BBL: 8" PR: WINCHESTER LP 385 GR. CAST LRNFP COL: 1.810" 51,100 PSI H4227 28.0 1456 55,000 PSI 30.0 1566 H110 29.0 1523 47,900 PSI LIL'GUN **TITEGROUP** 51,700 PSI 11.0 1130 50 ACTION EXPRESS CASE: SPEER BBL: 6" PR: CCI 350 325 GR. SPR AE UCHP COL: 1.575" 1294 H4227 30.8 32.5 H110 1431 500 LINEBAUGH CASE: STARLINE BBL: 8" PR: CCI 350 400 GR. CAST LRNFP COL: 1.760" 32,400 PSI H4227 33.0 1358 H110 37.0 1553 42,200 PSI LIL'GUN 37.5 1608 43,900 PSI

**CUP** 



#### Forward

There are many good handbooks available giving the basics of reloading and the beginner should study one or more of them before embarking upon his new hobby. We are assuming that the user of our data manual knows the mechanics of reloading and simply needs a supplement to help him find a good load using the components available to him.

By revising our shotshell data often, we hope to keep fairly well up-to-date with the rapidly changing array of components offered by today's consumer-oriented manufacturers.



Bob Hodgon and his very happy companion pheasant hunting.

## Warnings

#### NEVER Exceed the Loads Listed in This Publication

The data in this manual was developed in the Hodgdon Laboratory under controlled conditions. No data shown in the ensuing lead data section should be used with steel or Bismuth shot. NEVER substitute components when loading shotshells using this data. Substitution of different components could cause excessive or dangerous pressures, which could damage or destroy your firearm or cause serious personal injury or even death to the user and/or bystanders.

The format provides a convenient presentation of all components used for a given set of data. Loads are listed alphabetically by case type and then alphabetically by primer type with each set of data. In addition, each set of components is shown in even velocity increments corresponding to the old Dram equivalent velocities. This allows the shooter to choose loads similar to factory loadings.

After choosing an appropriate load, be sure to weigh actual charges thrown by the bushing or charge bar. No bushing or charge bar throws the exact charge as listed in the tables. Such changes occur because of small tolerances in bushing sizes, tolerances in bulk density of powder, and the way each loader is mounted and operated. It is important to verify these weights for safety and to insure getting the type load you want.

Since Hodgdon Powder Company has no control over variations in components, reloading tools or reloader's procedures, the individual is solely responsible for any changes in ballistics that may occur using this data.

Damascus barreled shotguns should *NOT* be used with any powder due to their weak construction. Barrel rupture may result in injury or death to the shooter and/or bystanders.

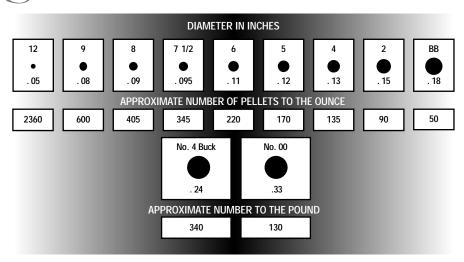
## Chilled shot table

Weig	ht Ounces	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 <sup>5</sup> / <sub>8</sub>	1 3/4	1 7/8	2	2 1/8	
Weig	ht Grains	219	273	328	383	438	492	547	602	656	711	766	820	875	930	
Loads	s per Lb.	32	26	21	18	16	14	13	12	11	10	9	9	8	8	
Size	Dia In.				App	oroxima	te No. d	of Pelle	ts per l	oad						
ВВ	.18	25	31	38	44	50	56	63	69	75	81	88	94	100	106	
2	.15	44	55	66	77	88	99	110	121	132	143	154	165	176	187	
4	.13	68	85	102	119	136	153	170	187	204	221	238	255	272	289	
5	.12	86	108	129	151	172	194	215	237	258	280	301	323	344	366	
6	.11	112	139	167	195	223	251	279	307	335	362	390	418	446	474	
7	.10	150	187	224	262	299	336	374	411	449	486	523	561	598	635	
7 1/2	.095	173	216	259	302	345	388	431	474	518	561	604	647	690	733	
8	.09	205	256	307	358	409	460	511	562	614	665	716	767	818	869	
8 1/2	.085	240	300	360	420	480	540	600	660	720	780	840	900	960	1020	
9	.08	293	366	439	512	585	658	731	804	878	951	1024	1097	1170	1243	

### Reference table

		POW	DER TABLE		
GRAINS PER LOAD	LOADS PER POUND	GRAINS PER LOAD	LOADS PER POUND	GRAINS PER LOAD	LOADS PER POUND
12	583	23	304	34	205
13	538	24	291	35	200
14	500	25	280	36	194
15	466	26	269	37	189
16	437	27	259	38	184
17	411	28	250	39	179
18	388	29	241	40	175
19	368	30	233	41	170
20	350	31	225	42	166
21	333	32	218	43	162
22	318	33	212		

# Shot chart



Lee

BUSHIN	G CLAYS	INTER	UNIV	HS6	HS7	H110°	TITEWAD	TITEGROUP	LONGSHOT	LIL'GUN
.095	10.7	12.3	15.2	21.9	22.9	22.5	12.4	15.6	19.1	23.5
.100	11.3	13.0	16.0	23.0						24.7
					24.1	23.7	13.0	17.2	20.1	
.105	11.8	13.7	16.8	24.2	25.3	24.9	13.7	18.7	21.1	26.0
.110	12.4	14.3	17.6	25.3	26.5	26.1	14.3	19.3	22.1	27.2
.116	13.0	15.1	18.5	26.7	28.0	27.5	15.1	20.1	23.3	28.7
.122	13.7	15.9	19.5	28.1	29.4	28.9	15.9	21.4	24.5	30.2
.128	14.4	16.6	20.4	29.4	30.8	30.3	16.7	22.7	25.7	31.7
.134	15.0	17.5	21.4	30.8	32.3	31.8	17.5	24.0	26.9	33.1
.141	15.8	18.4	22.5	32.4	34.0	33.4	18.4	25.6	28.3	34.9
.148	16.6	19.3	23.6	34.0	35.7	35.1	19.3		29.8	36.5
.151	16.7	19.6	24.0				19.7		30.4	37.2
.155	17.3	20.1	24.7	35.7	37.4	36.7	20.4		31.1	38.2
.163	18.2	21.1	25.9	37.5	39.3	38.6	21.4		32.7	40.2
.171	19.1	22.0	27.1	39.3	41.2	40.5	22.5		34.3	42.1
.180	20.1	23.1	28.5	41.4	43.4	42.7	23.6		36.1	44.4
.189	21.2	24.1	29.9	43.5	45.6	44.8			37.9	46.6
.198	22.1	25.2	31.3	45.5	47.7	46.9	26.0		39.7	48.8

Mec

USHI #		INTER	UNIV	HS6	HS7	H110*	TITEWAD	LIL'GUN	LGSH	TITEGROUP
7								11.9		
8								12.5		
9								12.9		
10						13.5		13.4	11.0	
11						14.4			11.7	
12						15.4			12.4	
A12				15.5		16.4			13.2	
13				16.1	16.6	17.0			13.9	40.0
14			100	17.9	18.4				15.4	13.8
15		10.0	12.0	18.8	19.3				16.1	14.5
16 17		10.8 11.4	12.9 13.5	19.8 20.7	20.4				17.0 17.8	15.4 16.2
18		11.4	14.0	20.7	21.3				17.8	16.2
19		12.3	14.0	21.6	23.2				19.5	17.1
20		12.9	15.5	23.7	24.4		13.3		20.3	19.0
21		13.3	16.0	24.7	25.4		13.9		21.2	19.7
22		14.3	16.8	25.8	26.6		14.5		22.1	20.2
23		14.6	17.4	26.8	27.7		15.2		23.1	21.1
24		15.5	18.3	27.9	28.9		15.8		24.0	21.9
25		16.0	18.9	28.9	29.9		16.2		24.8	22.7
26		16.6	19.1	30.3	31.2		16.9		25.9	23.7
27	14.6	17.1	20.2	31.2	32.3		17.6		26.9	24.7
28	15.2	17.7	21.1	32.6	33.6		18.3		28.0	25.8
29	15.9	18.3	21.7	33.6	34.7		19.0		29.0	
30	16.3	19.1	22.7	35.0	36.2		19.7		30.1	
31	16.9	19.9	23.4	36.2	37.4		20.4		31.1	
32	17.5	20.6	24.4	37.8	38.9		21.4		32.2	
33	18.2	21.2	25.2	39.0	40.1		22.2		33.3	
34	18.9	21.9	26.0	40.4	41.5		23.0		34.5	
35	19.4	22.6	26.7	41.1	42.4		23.4		35.6	
36	20.1	23.4	27.6	43.0	44.4		24.0		36.7	
37	20.7	24.2	28.7	44.4	45.7		25.3		38.0	
38	21.4	25.1	29.7	46.2	47.4				39.3	
	22.2	26.0		47.7	FO 2				40.6	
39	22.8	26.9		47.6	50.3				42.0	
39A									43.1	
40 41									44.4 47.3	
41A									47.3	
41A 42									50.2	
42 42A									51.5	
42A 43									53.0	

# Hornady/ Spolar

					BUSHIN	IG NUMBI	ERS			
GRS	CLAYS	INTER	UNIV	HS6	HS7	H110°	TITEWAD	LIL'GUN	LGSH	TITEGROUP
11.0		333								
12.0		348						250		
13.0		363	330			256		259		
13.5								266		
14.0		375	342			266			300	
14.7										318
15.0		390	354				384		309	324
16.0	429	402	366				396		318	330
16.5	435	408	372				402		327	336
17.0	441	414	378	300			408		330	342
17.4	447	417	384				414		336	345
18.0	456	423	390	309			420		339	351
18.5	462	429	393	240	210		426		345	357
19.0	468	435	402	318	318		432		348	360
19.4 20.0	474 483	438 447	405 411	227	330		435 441		354 357	363 369
20.0	483 489	453	411	327	330		450		363	369 375
21.0	495	459	420	336	339		453		366	378
21.5	501	465	423	2.45	240		459		369	381
22.0 22.5	507	471 477	429 432	345	348		462 468		372	387 390
23.0		483	432	351	357		408		378 381	390 396
23.0		483 489	438	351	357		4/4		384	390 399
24.0		495	447	360	363		486		390	405
24.5		501	450	300	303		489		393	403
25.0		507	456	366	369		492		396	
26.0			468	375	378				405	
27.0			480	381	384				414	
28.0			489	387	390				423	
29.0			501	393	396				429	
30.0				402	405				435	
31.0				408	411				444	
32.0				414	417				450	
33.0				423	423				459	
34.0				429	429				465	
35.0				435	438		471		471	
36.0				441	444		4/1		480	
37.0				444	450				486	
38.0				450	.00				492	
39.0									498	

## Ponsness Warren

BUSH										
#	CLAYS	INTER	UNIV	HS6	HS7	H110°	TITEWAD	LIL'GUN	LGSH	TITEGROUP
1AX								12.0		
2AX								12.7		
3AX								13.1		
1A						13.7				
2A						14.8				
3A				15.3		15.6			13.0	
Α				16.8	17.1	17.5			15.0	
В				17.6	18.2				15.5	14.5
С			12.5	18.5	18.8				16.5	15.0
C1			13.0	19.6	20.1				17.0	16.0
D			13.2	20.4	21.0				17.3	16.3
D1		11.7	14.0	21.3	22.4				18.2	17.0
E		13.1	15.7	23.5	24.2				20.7	19.4
E1		13.7	16.2	24.0	24.7				21.6	20.0
E2		14.4	17.2	26.1	26.5		14.7		22.8	21.3
F		15.2	18.1	27.5	28.5		15.6		24.2	22.7
F1		15.8	18.3	28.3	29.3		15.8		24.4	22.9
F2		16.1	18.9				16.4		25.3	23.5
F6 G		17.1	20.2	21.2	32.3		17.4		2/ 0	24.7
G1		17.1	20.2	31.2 32.7	33.4		17.4 17.7		26.8 27.1	24.7
Н	16.0	18.5	22.0	34.0	34.8		18.9		29.0	
l ï	16.7	19.3	22.8	34.4	36.5		19.6		30.0	
j ;	17.2	19.8	23.9	35.5	37.1		20.3		31.2	
J1	17.6	20.3	24.5	36.9	38.8		21.0		32.0	
K	17.8	20.6	24.8	37.1	39.0		21.3		32.5	
Ϊ́	18.7	21.6	25.7	39.5	41.1		22.2		34.0	
м	19.7	22.5	26.8	41.2	42.8		23.4		35.7	
N	20.8	23.7	28.2		.2.0		25.2		38.0	
Ö	21.0	24.0	28.5						38.5	
P	21.5	24.5							39.9	
Q	21.9	25.0							40.1	
R									41.8	
S									42.5	
T									45.4	

## Wad chart

The following chart shows wads that may be substituted for current popular models as listed in the ensuing data.

WAA12: WT12 Winchester, CB01118, CB1118-12, Black Magic, Blue Duster WAA12SL: CB1100-12. Green Duster,

WAA12L (in 7/8 oz. loads only) Federal 12SO: CB2100-12 Federal 12S3: CB2118-2 Remington Fig. 8: CB3118-12

Windjammer: CB4118-12 WAA20: CB1078-20, Duster 20 WAA28: CB1034-28, Duster 28 WAA41: CB1050-41, Duster 410 Federal 410SC: CB1050-41 Reminaton SP410: CB1050-41

### Notes on Recoil

In physics we learned that for every force there is an equal and opposite force. In a firearm, the gases generated by burning powder push the ejecta (shot and wad) down the barrel and in turn push the shotgun in the opposite direction creating what we call recoil. According to physics, the momentum of a free recoiling firearm is equal and opposite in direction to the momentum of the ejecta and powder charge. The formula for free recoil of a firearm is:

Recoil Energy in ft. lbs. =  $(\underline{Bw Mv + 4700 Pw})^2$ 

64.348 Gw

Where Gw = the weight of the gun in pounds

Bw = weight of the ejecta (shot and wad) in pounds

Pw = powder weight in pounds

Mv = muzzle velocity in feet per second

Example: Our shooter has an 8 lb. target gun with a load using 18.0 grs. of Clays, a wad weighing 33.0 gr., shot charge of 1 1/8 oz. and giving 1200 f/s muzzle velocity. First, we must convert the ejecta weight to lbs. (1 1/8 oz. = 492.0 gr.) Dividing grains by 7000 converts to pounds.

Gw = 8 lb.Bw = 492.0 + 33.0 = 525 = .075 lb. 7000 7000 Pw = 18 = .003 lb.7000

Mv = 1200 ft/sec

Substituting the numbers in the formula we find the

Recoil energy of the shooters load =  $[(.075 \times 1200) + (4700 \times .003)]^2 = 21.05 \text{ ft/lbs}$ 64.348 x 8

Unfortunately, too many shooters think that pressure has an effect on recoil. In truth, it doesn't. It is not included in the formula for calculating recoil as noted in our example. However, there are factors that effect our perception of recoil. A major factor is muzzle blast. Clean burning powders help limit muzzle blast, are quieter, and therefore seem lower in recoil.

Some people think slow burning powders produce less recoil. What they are perceiving is the longer time it takes the powder to reach peak pressure, which gives the same recoil as a faster burning powder, just over a longer period of time. Others like the faster burning powders which peak quicker, although still the same recoil, just a shorter period of recoil. Perception can be everything to a shooter, so he should shoot what he "feels" is the most comfortable. That is why Hodgdon has a complete range of powders to cover all perceptions and needs.

The only real way to lessen recoil is to lower velocities, or lessen shot charge, or both.

## hooters!

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				QUADOS/PDFCCUPF+
SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*
				Velocity is measured in feet per second (fps). Pressure is measured in Lead Units of Pressure (LUP) or in Pounds per Square Inch (PSI).
		10 GA.,	3 1/2", FEI	DERAL PLASTIC SHELL WITH PAPER BASEWAD
				1165 fps
2 oz	HS-6	CCI 209M	Rem. SP10 + 2–20 ga. .135" Card	40.0 gr / 9,900 PSI
2 oz	HS-7	CCI 209M	Rem. SP10 + 2–20 ga. .135" Card	43.0 gr / 10,200 PSI
				1250 fps 1300 fps
2 oz	Longshot	CCI209M	Rem. SP10 + 1–20 ga. .135" Card	39.4 gr / 9,600 PSI —
2 oz	Longshot	Fed. 209A	Rem. SP10 + 1–20 ga. .135" Card	40.5 gr / 9,900 PSI 41.2 gr / 11,000 PSI
				1165 fps
2 1/4 oz	HS-7	Win. 209	Rem. SP10 + 1–20 ga. .135" Card	40.0 gr / 10,300 PSI
				1250 fps
2 1/4 oz	Longshot	CCI209M	Rem. SP10 + 1–20 ga. .135" Card	33.0 gr/10,800 PSI
2 1/4 oz	Longshot	Fed. 209A	Rem. SP10 + 1–20 ga. .135" Card	33.0 gr / 10,500 PSI
2 1/4 oz	Longshot	Rem. 209P	Rem. SP10 + 1–20 ga. .135" Card	34.0 gr / 10,300 PSI
	10 GA	3 1/2"	REMINGTO	ON PLASTIC SHELL WITH YELLOW PLASTIC BASEWAD
	10 0/1	., 5 1/2 /	IXEIVIIIVOT	1165 fps
2 oz	HS-6	CCI 209M	Rem. SP10 + 3–20 ga. .135" Card	40.0 gr / 11,000 PSI
2 oz	HS-7	CCI 209M	Rem. SP10 + 3–20 ga. .135" Card	43.0 gr / 11,000 PSI
				1200 fps
2 oz	Longshot	Fed. 209A	Rem. SP10 + 2–20 ga. .135" Card	36.5 gr / 11,000 PSI
2 oz	Longshot	Rem. 209P	Rem. SP10 + 2–20 ga135" Card	37.5 gr / 11,000 PSI
2 oz	Longshot	Win. 209	Rem. SP10 + 2–20 ga. .135" Card	38.0 gr / 10,700 PSI
				1165 fps
2 1/4 oz	HS-7	Win. 209	Rem. SP10 + 2–20 ga. .135" Card	40.0 gr / 10,800 PSI
				1250 fps
2 1/4 oz	Longshot	CCI209M	Rem. SP10 + 1–20 ga. .135" Card	33.0 gr / 11,000 PSI
2 1/4 OZ	Longshot	CCI209M		35.0 gr / 11,000 PSI



SHOT POWDER PRIMER WAD CHARGE/PRESSURE REMINGTON PLASTIC SHELL WITH YELLOW PLASTIC BASEWAD CONT. 1250 fps 2 1/4 oz Longshot Fed. 209A Rem. SP10 + 32.0 gr / 11,000 PSI 1-20 ga. .135" Card 2 1/4 oz Longshot Rem. SP10 + Rem. 209P 33.5 gr / 10,800 PSI 1-20 ga. .135" Card 10 GA., 3 1/2", WINCHESTER POLYFORMED PLASTIC SHELL W/ PLASTIC BASEWAD 1165 fps 2 oz HS-6 CCI 209M Rem. SP10 + 40.0 gr / 10,700 PSI 2–20 ga. .135" Card 2 07 HS-7 CCI 209M Rem. SP10 + 42.5 gr / 10,600 PSI 2–20 ga. .135" Card 1250 fps 2 oz Longshot CCI209M Rem. SP10 + 37.0 gr / 10,900 PSI 2-20 ga. .135" Card Rem. SP10 + 2 oz Longshot Fed. 209A 37.0 gr / 11,000 PSI 2–20 ga. .135" Card Rem. SP10 + 2 oz Longshot Win. 209 38.6 gr / 10,200 PSI 2–20 ga. .135" Card 1165 fps 2 1/4 oz HS-7 CCI 209M Rem. SP10 + 40.0 gr / 11,000 PSI 1–20 ga. .135" Card 1200 fps 2 1/4 oz Longshot CCI209M Rem. SP10 33.5 gr / 11,000 PSI 2 1/4 oz Longshot Fed. 209A Rem. SP10 31.5 gr / 10,800 PSI 2 1/4 oz Longshot Win. 209 Rem. SP10 37.5 gr / 10,900 PSI 23/4", CHEDDITE PLASTIC SHELLS 12 GA., 1090 fps 1145 fps 1200 fps 1235 fps

				1070 103	1 140 1p3	1200 ip3	1233 ips
1 1/8 oz	Titewad	Ched. 209	Fed. 12S3	16.5 gr / 7,400 PSI	17.0 gr / 9,000 PSI	18.0 gr / 10,100 PSI	_
1 1/8 oz	Titewad	Ched. 209	Fio. TL1	16.0 gr / 9,100 PSI	17.0 gr / 10,400 PSI	18.0 gr / 11,400 PSI	-
1 1/8 oz	Titewad	Ched. 209	Rem. Fig. 8	_	16.5 gr / 8,800 PSI	18.0 gr / 10,400 PSI	_
1 1/8 oz	Titewad	Ched. 209	WAA12SL	16.5 gr / 7,300 PSI	17.0 gr / 8,500 PSI	18.0 gr / 9,800 PSI	_
1 1/8 oz	Clays	Ched. 209	Fed. 12S3	16.3 gr / 7,700 PSI	17.5 gr / 8,500 PSI	18.7 gr / 9,700 PSI	20.5 gr / 11,400 PSI
1 1/8 oz	Clays	Ched. 209	WAA12	16.3 gr / 7,700 PSI	17.3 gr / 8,500 PSI	18.5 gr / 10,000 PSI	20.5 gr / 11,500 PSI
1 1/8 oz	Clays	Fio 616	Fio. TL1	16.0 gr / 7,500 PSI	17.0 gr / 8,000 PSI	19.0 gr / 11,300 PSI	_
1 1/8 oz	Internat'l	Ched. 209	Fed. 12S3	19.5 gr / 7,200 PSI	20.0 gr / 8,400 PSI	21.0 gr / 8,500 PSI	_
1 1/8 oz	Internat'l	Ched. 209	WAA12	19.0 gr / 7,300 PSI	19.5 gr/ 7,800 PSI	20.5 gr / 8,400 PSI	21.5 gr / 9,900 PSI
1 1/8 oz	Internat'l	Fio 616	Fio. TL1	_	19.0 gr / 7,200 PSI	20.5 gr / 8,800 PSI	22.0 gr / 10,000PSI
				1420 fps	1475 fps	1530 fps	1585 fps
1 1/8 oz	Longshot	Ched. 209	Fed. 12S3	33.6 gr / 7,100 PSI	35.2 gr / 8,200 PSI	36.8 gr / 9,200 PSI	38.4 gr / 10,300PSI
1 1/8 oz	Longshot	Ched. 209	Fio. TL1	33.7 gr / 7,900 PSI	35.2 gr / 9,300 PSI	36.6 gr / 9,800 PSI	38.0 gr / 10,700PSI
1 1/8 oz	Longshot	Ched. 209	Rem. R12L	32.9 gr / 7,600 PSI	34.6 gr / 8,400 PSI	36.4 gr / 9,300 PSI	38.1 gr / 10,100PSI
1 1/8 oz	Longshot	Ched. 209	Windjammer	34.7 gr / 7,400 PSI	36.1 gr / 8,000 PSI	37.5 gr / 8,700 PSI	38.9 gr / 9,400 PSI



**POWDER PRIMER** WAD CHARGE/PRESSURE 12 GA., 2 3/4", CHEDDITE PLASTIC SHELLS CONT. 1330 fps 1385 fps 1440 fps 1495 fps 1 1/4 07 Longshot Ched. 209 Rem. R12L 30.3 gr / 7,700 PSI 32.2 gr / 8,600 PSI 34.0 gr / 9,500 PSI WAA12F114 1 1/4 oz Longshot Ched. 209 29.8 gr / 8,000 PSI 31.7 gr / 8,800 PSI 33.6 gr / 9,700 PSI 1205 fps 1260 fps 1315 fps Longshot Ched. 209 Fed. 12S4 27.0 gr / 9,800 PSI 1 1/2 07 1 1/2 oz WAA12R 28.6 gr / 10,100 PSI 30.6 gr / 11,100 PSI Longshot Ched. 209 26.6 gr / 9,100 PSI 12 GA., 2 3/4", FEDERAL GOLD MEDAL PLASTIC SHELLS 1250 fps 1300 fps 1350 fps 1400 fps 7/8 07 Titewad CCI 209SC WAA12L 18.1 gr / 7,100 PSI 19.0 gr / 8,100 PSI 20.3 gr / 8,700 PSI 21.4 gr / 9,900 PSI 7/8 oz Titewad Fed. 209A Fed. 12S0 19.5 gr / 6,400 PSI 20.5 gr / 7,500 PSI 21.6 gr / 8,800 PSI 22.7 gr / 9,800 PSI 7/8 07 Titewad Win. 209 WAA12L 18.4 gr / 6,800 PSI 19.3 gr / 7,400 PSI 20.6 gr / 8,700 PSI 21.9 gr / 9,300 PSI 7/8 oz Clays CCI 209SC WAA12L 19.0 gr / 6,700 PSI 20.5 gr / 8,000 PSI 21.7 gr / 9,400 PSI 22.5 gr / 11,300 PSI 7/8 oz Clays Fed. 209A WAA12L 19.2 gr / 7,400 PSI 20.0 gr / 8,000 PSI 21.5 gr / 9,700 PSI 22.5 gr / 11,500 PSI 7/8 oz Win. 209 WAA12L 19.0 gr / 7,000 PSI 20.3 gr / 8,000 PSI 22.0 gr / 8,800 PSI 23.0 gr / 10,500 PSI Clays 1300 fps 1350 fps 1400 fps 1450 fps Internat'l CCI 209SC WAA12L 22.7 gr / 7,300 PSI 24.0 gr / 8,200 PSI 7/8 oz 25.0 gr / 9,400 PSI 25.5 gr /10,200 PSI 7/8 oz Internat'l Fed. 209A WAA12I 22.3 gr / 7,500 PSI 23.2 gr / 8,300 PSI 24.5 gr / 9,300 PSI 25.7 gr /10,000 PSI 7/8 oz Internat'l Win. 209 WAA12L 23.5 gr / 7,500 PSI 24.3 gr / 7,900 PSI 25.5 gr / 9,100 PSI 27.0 gr / 10,600 PSI 1180 fps 1235 fps 1290 fps 1345 fps 1 07 Titewad CCI 209 WAA12L 17.2 gr / 7,900 PSI 18.5 gr / 9,200 PSI 19.8 gr / 10,400 PSI 21.1 gr / 11,300 PSI 1 07 Titewad CCI 209SC Purple PC 18.7 gr / 8,100 PSI 20.2 gr / 9,200 PSI 21.7 gr / 10,500 PSI Titewad 17.8 gr / 7,100 PSI 1 oz Fed. 209A Fed. 12S0 19.3 gr / 8,500 PSI 20.8 gr / 9,600 PSI 21.7 gr / 11,300 PSI Titewad Fed. 209A Rem. TGT 12 17.0 gr / 7,500 PSI 18.4 gr / 8,700 PSI 19.7 gr / 9,800 PSI 21.0 gr / 11,000 PSI 1 oz Titewad Win. 209 Fed. 12S0 18.0 gr / 7,100 PSI 19.1 gr / 8,600 PSI 20.3 gr / 10,300 PSI 22.0 gr / 11,300 PSI 1 oz Titewad Win. 209 WAA12L 17.4 gr / 7,500 PSI 18.7 gr / 8,400 PSI 20.2 gr / 9,700 PSI 21.7 gr / 11,300 PSI 1 07 1125 fps 1180 fps 1235 fps 1290 fps 1 07 Clays CCI 209SC Purple PC 18.0 gr / 6,600 PSI 19.0 gr / 8,000 PSI 20.0 gr / 9,300 PSI 1 oz Clays Fed. 209A Fed. 12S0 16.8 gr / 6,700 PSI 17.9 gr / 7,700 PSI 19.3 gr / 9,200 PSI 20.3 gr /10,800 PSI 1 oz Clays Rem. 209P Rem. TGT 12 18.2 gr / 5,900 LUP 19.2 gr / 6,300 LUP 20.2 gr / 6,800 LUP 21.2 gr / 7,300 LUP WAA12SL 17.2 gr / 6,200 LUP 18.2 gr / 7,000 LUP 19.1 gr / 7,600 LUP 20.0 gr / 8,300 LUP 1 07 Clays Win. 209 1235 fps 1290 fps 1345 fps 1400 fps Internat'l CCI 209 WAA12SL 22.3 gr / 8,000 PSI 24.7 gr / 10,200 PSI 21.5 gr / 7,300 PSI 23.5 gr / 9,100 PSI 1 07 19.9 gr / 8,300 PSI 21.3 gr / 9,900 PSI Internat'l Fed. 209A Fed. 12S0 22.5 gr / 11,200 PSI 1 07 Fed. 209A 20.0 gr / 7,400 PSI 1 oz Internat'l Purple PC 21.4 gr / 8,600 PSI 22.7 gr / 9,700 PSI 24.1 gr / 10,300 PSI 1 07 Internat'l Fed. 209A WAA12SL 19.7 gr / 7,700 PSI 21.0 gr / 9,100 PSI 22.3 gr / 10,500 PSI Internat'l 1 07 Rem. 209P Rem. TGT 12 20.8 gr / 7,200 PSI 21.2 gr / 7,500 PSI 23.3 gr / 9,400 PSI 24.5 gr /10,400 PSI 1 oz Internat'l Win. 209P WAA12SL 20.5 gr / 7,200 PSI 22.0 gr / 8,400 PSI 23.4 gr / 9,400 PSI 24.7 gr / 10,400 PSI 1090 fps 1145 fps 1200 fps 1255 fps 1 1/8 07 Titewad Ched. 209 Fed. 12S3 15.4 gr / 9,100 PSI 16.7 gr / 10,300 PSI 1 1/8 oz Titewad Ched. 209 Rem. Fig. 8 15.4 gr / 8,800 PSI 16.7 gr / 9,900 PSI 18.1 gr / 11,100 PSI Titewad 1 1/8 oz Ched. 209 Windjammer 16.0 gr / 8,100 PSI 17.2 gr / 9,400 PSI 18.5 gr / 10,900 PSI 1 1/8 oz Titewad CCI 209M G/BP CS12 14.9 gr / 9,800 PSI 15.9 gr / 10,800 PSI Titewad 1 1/8 oz Fed. 209A Fed. 12S3 16.3 gr / 8,300 PSI 17.3 gr / 8,900 PSI 18.8 gr / 10,300 PSI 1 1/8 oz Titewad Fed. 209A Rem. Fig. 8 15.8 gr / 8,000 PSI 16.9 gr / 9,600 PSI 18.1 gr / 11,300 PSI 1 1/8 oz Titewad Fed. 209A WAA12 15.4 gr / 8,200 PSI 16.8 gr / 9,800 PSI 18.0 gr / 11,100 PSI

16.7 gr / 9,800 PSI

18.0 gr / 11,000 PSI

15.7 gr / 8,900 PSI

1 1/8 oz

Titewad

Fio. 616

Fio. TL 1



		_					
		12 GA.	, 23/4", FE	DERAL GOLD MI			
				1090 fps	1145 fps	1200 fps	1255 fps
1/8 oz	Titewad	Rem. 209P	Rem. Fig. 8	16.0 gr / 7,500 PSI	17.0 gr / 8,600 PSI	18.0 gr / 9,500 PSI	
1/8 oz	Titewad	Win. 209	WAA12SL	16.5 gr / 7,900 PSI	17.5 gr / 9,100 PSI	18.2 gr / 9,800 PSI	
1/8 oz	Clays	Ched. 209	Fed. 12S3	16.8 gr / 8,000 PSI	18.0 gr / 9,500 PSI	19.2 gr / 10,900 PSI	
1/8 oz	Clays	Ched. 209	Rem. Fig. 8	16.5 gr / 7,600 PSI	17.9 gr / 9,000 PSI	19.3 gr / 10,500 PSI	
1/8 oz	Clays	Ched. 209	Windjammer	16.9 gr / 7,000 PSI	18.2 gr / 8,400 PSI	19.5 gr / 9,900 PSI	20.9 gr / 11,400 PS
1/8 oz	Clays	Fed. 209A	Fed. 12S3	16.8 gr / 7,900 PSI	17.1 gr / 8,600 PSI	19.0 gr / 10,400 PSI	_
1/8 oz	Clays	Fed. 209A	Rem. Fig. 8	17.0 gr / 7,400 PSI	17.5 gr / 7,900 PSI	19.0 gr / 9,600 PSI	
1/8 oz	Clays	Fed. 209A	WAA12	16.5 gr / 7,700 PSI	17.0 gr / 8,100 PSI	18.5 gr / 10,300 PSI	_
1/8 oz	Clays	Fed. 209A	Windjammer	16.5 gr / 7,400 PSI	17.6 gr / 8,700 PSI	18.8 gr / 10,100 PSI	_
1/8 oz	Clays	Rem. 209P	Red PC	17.5 gr / 6,500 LUP	18.5 gr / 7,400 LUP	19.4 gr / 8,300 LUP	_
1/8 oz	Clays	Rem. 209P	Rem. Fig. 8	16.6 gr / 7,200 PSI	17.8 gr / 8,600 PSI	18.9 gr / 9,900 PSI	20.1 gr / 11,300 PS
1/8 oz	Clays	Win. 209	G/BP PISK	16.6 gr / 8,800 PSI	17.7 gr / 10,100 PSI	18.8 gr / 11,300 PSI	_
1/8 oz	Clays	Win. 209	Windjammer	17.3 gr / 6,300 LUP	18.3 gr / 7,200 LUP	19.4 gr / 8,100 LUP	_
1/8 oz	Internat'l	Ched. 209	Fed. 12S3	18.2 gr / 7,300 PSI	19.4 gr / 8,300 PSI	20.6 gr / 9,400 PSI	21.8 gr /10,500 PS
1/8 oz	Internat'l	Ched. 209	Rem. Fig. 8	17.9 gr / 6,800 PSI	19.3 gr / 7,900 PSI	21.0 gr / 9,300 PSI	22.0 gr /10,100 PS
1/8 oz	Internat'l	Ched. 209	Windjammer	18.3 gr / 6,700 PSI	19.5 gr / 7,800 PSI	20.8 gr / 9,000 PSI	22.0 gr /10,000 PS
1/8 oz	Internat'l	CCI 209M	Rem. TGT 12	19.5 gr / 6,800 LUP	20.0 gr / 7,000 LUP	20.6 gr / 7,800 LUP	22.5 gr / 8,600 LU
1/8 oz	Internat'l	CCI 209SC	Rem. TGT 12	19.0 gr / 6,200 PSI	19.2 gr / 6,900 PSI	20.0 gr / 7,900 PSI	21.5 gr / 9,500 PS
1/8 oz	Internat'l	Fed. 209A	Fed. 12S3	18.5 gr / 7,000 PSI	19.0 gr / 7,200 PSI	20.5 gr / 8,800 PSI	22.2 gr /10,600 PS
1/8 oz	Internat'l	Fed. 209A	WAA12	_	18.4 gr / 8,200 PSI	19.6 gr / 9,500 PSI	20.7 gr /10,700 PS
1/8 oz	Internat'l	Fed. 209A	Windjammer	19.0 gr / 6,200 PSI	19.5 gr / 6,500 PSI	20.8 gr / 8,000 PSI	22.5 gr / 9,200 PS
1/8 oz	Internat'l	Fio. 616	Fio. TL1	19.2 gr / 6,800 LUP	19.7 gr / 7,300 LUP	21.1 gr / 8,100 LUP	22.5 gr / 9,200 LU
1/8 oz	Internat'l	Rem. 209P	G/BP CS12	_	18.8 gr / 8,100 PSI	20.0 gr / 9,100 PSI	21.2 gr / 10,500 PS
1/8 oz	Internat'l	Win. 209	WAA12SL	19.1 gr / 6,600 LUP	20.1 gr / 7,100 LUP	21.0 gr / 7,500 LUP	22.4 gr / 8,900 LU
1/8 oz	Internat'l	Win. 209	Windjammer	_	19.5 gr / 7,000 PSI	20.8 gr / 8,000 PSI	22.2 gr / 9,000 PS
				1200 fps	1255 fps	1310 fps	
1/8 oz	Universal	CCI 209	Windjammer	25.2 gr / 7,300 PSI	26.5 gr / 8,200 PSI	28.0 gr / 8,800 PSI	
1/8 oz	Universal	CCI 209SC	Hor. Versalite	23.2 gr / 7,700 PSI	24.5 gr / 8,600 PSI	25.5 gr / 9,600 PSI	
1/8 oz	Universal	CCI 209SC	Windjammer	24.5 gr / 7,300 LUP	26.0 gr / 8,100 PSI	26.7 gr / 8,900 PSI	
1/8 oz	Universal	Fed. 209A	Fed. 12S3	23.0 gr / 8,700 PSI	24.4 gr / 9,600 PSI	25.7 gr / 10,500 PSI	
1/8 oz	Universal	Fio. 616	Fio. TL1	23.3 gr / 8,700 PSI	24.2 gr / 9,500 PSI	26.0 gr / 10,100 PSI	
1/8 oz	Universal	Win. 209	Rem. Fig. 8	24.0 gr / 8,000 PSI	25.0 gr / 8,700 PSI	26.8 gr / 9,500 PSI	
1/8 oz	Universal	Win. 209	WAA12	23.2 gr / 8,800 PSI	24.5 gr / 9,700 PSI	25.0 gr / 10,400 PSI	
170 02	Ollivei sai	WIII. 207	WAATZ	<u> </u>		<u> </u>	4505 (
1/0	1	001.20014	F 1202	1420 fps	1475 fps	1530 fps	1585 fps
1/8 oz.	Longshot	CCI 209M	Fed. 12S3	32.2 gr / 8,400 PSI	33.6 gr / 9,500 PSI	34.9 gr / 10,600 PSI	
1/8 oz.	Longshot	CCI 209M	Rem. Fig. 8	32.2 gr / 8,500 PSI	33.8 gr / 9,400 PSI	35.5 gr / 10,400 PSI	37.1 gr / 11,400 PS
1/8 oz.	Longshot	CCI 209M	WAA12	31.4 gr / 8,800 PSI	33.2 gr / 9,500 PSI	35.0 gr / 10,300 PSI	36.8 gr / 11,000 PS
1/8 oz.	Longshot	Fed. 209A	Fed. 12S3	32.0 gr / 9,000 PSI	33.3 gr / 10,000 PSI	34.6 gr / 11,500 PSI	
1/8 oz.	Longshot	Fed. 209A	Rem. Fig. 8	32.2 gr / 8,600 PSI	33.6 gr / 9,500 PSI	35.0 gr / 10,500 PSI	36.4 gr / 11,400 PS
1/8 oz.	Longshot	Fed. 209A	WAA12	31.7 gr / 8,900 PSI	33.1 gr / 9,700 PSI	34.6 gr / 10,700 PSI	36.0 gr / 11,500 PS
1/8 oz.	Longshot	Fed. 209A	Windjammer	32.3 gr / 8,200 PSI	33.9 gr / 9,200 PSI	35.5 gr / 10,200 PSI	37.1 gr / 11,200 PS
1/8 oz.	Longshot	Rem. 209P	Fed. 12S3	32.9 gr / 8,400 PSI	34.1 gr / 9,300 PSI	35.3 gr / 10,200 PSI	_
1/8 oz.	Longshot	Rem. 209P	Rem. Fig. 8	32.1 gr / 8,200 PSI	33.9 gr / 9,100 PSI	35.6 gr / 10,000 PSI	37.4 gr / 10,900 PS
		Rem. 209P	WAA12	32.4 gr / 8,200 PSI	33.9 gr / 9,100 PSI	35.4 gr / 10,000 PSI	36.9 gr / 10,900 Ps
1/8 oz.	Longshot	TOTAL ZOTA	******				
1/8 oz. 1/8 oz.	Longshot Longshot	Rem. 209P	Windjammer	32.9 gr / 7,900 PSI	34.4 gr / 8,800 PSI	35.9 gr / 9,600 PSI	37.5 gr / 10,500 PS



POWDER **PRIMER** WAD CHARGE/PRESSURE 12 GA., 2 3/4", FEDERAL GOLD MEDAL PLASTIC SHELLS CONT. 1420 fps 1475 fps 1530 fps 1585 1 1/8 oz. Longshot Win. 209 Rem. Fig. 8 34.9 gr / 7,100 PSI 36.0 gr / 8,100 PSI 37.1 gr / 9,100 PSI 38.2 gr / 10,000 PSI 1 1/8 oz. Longshot Win. 209 WAA12 34.0 gr / 7,600 PSI 35.2 gr / 8,500 PSI 36.4 gr / 9,400 PSI 37.8 gr / 10,400 PSI Longshot Win. 209 Windjammer 35.0 gr / 7,100 PSI 36.2 gr / 8,000 PSI 37.4 gr / 8,900 PSI 38.5 gr / 10,100 PSI 1 1/8 oz. 1220 fps 1330 fps Universal CCI 209SC Fed. 12S4 1 1/4 oz 24.0 gr / 9,500 PSI Universal CCI 209 1 1/4 07 Fed. 12S4 25.0 gr / 10,100 PSI 1 1/4 oz Universal Fed. 209A Fed. 12S4 23.3 gr / 10,400 PSI 1 1/4 oz Universal Fio. 616 Rem. SP12 24.7 gr / 9,200 PSI 1 1/4 oz Universal WAA12 F114 24.5 gr / 10,300 PSI Win. 209 1 1/4 07 HS-6 Win. 209 WAA12F114 32.0 gr / 9,600 LUP 34.5 gr / 10,100 LUP 1330 fps 1385 fps 1440 fps 1495 fps 1 1/4 oz Longshot CCI 209 M Fed. 12S3 29.5 gr / 10,200 PSI 30.6 gr / 10,900 PSI Longshot CCI 209M Rem. R12L 29.8 gr / 8,700 PSI 31.5 gr / 9,500 PSI 33.2 gr / 10,400 PSI 1 1/4 oz 1 1/4 oz Longshot CCI 209M WAA12F114 29.2 gr / 9,000 PSI 30.6 gr / 9,900 PSI 32.0 gr / 10,900 PSI 1 1/4 oz Longshot Fed. 209A Fed. 12S4 28.4 gr / 9,800 PSI 30.2 gr / 10,800 PSI Longshot Fed. 209A Rem. R12L 1 1/4 oz 29.2 gr / 9,400 PSI 30.7 gr / 10,400 PSI 32.1 gr / 11,400 PSI 1 1/4 oz Longshot Fed. 209A WAA12F114 28.2 gr / 9,900 PSI 29.9 gr / 10,900 PSI 1 1/4 oz Longshot Rem. 209P Fed. 12S4 28.4 gr / 9,400 PSI 30.1 gr / 10,300 PSI 31.8 gr / 11,300 PSI 1 1/4 07 Longshot Rem. 209P Rem. R12L 29.1 gr / 8,800 PSI 31.1 gr / 9,700 PSI 33.0 gr / 10,500 PSI 1 1/4 oz Longshot Rem. 209P WAA12F114 28.3 gr / 9,200 PSI 30.3 gr / 10,100 PSI 32.4 gr / 11,000 PSI 1 1/4 oz Longshot Win. 209 Fed. 12S4 29.7 gr / 8,000 PSI 31.3 gr / 9,300 PSI 32.9 gr / 10,600 PSI Longshot Rem. R12L 1 1/4 oz Win. 209 30.7 gr / 7,700 PSI 32.2 gr / 8,700 PSI 33.6 gr / 9,700 PSI 35.0 gr / 10,800PSI 1 1/4 oz Longshot Win. 209 WAA12F114 33.4 gr / 7,200 PSI 34.4 gr / 9,200 PSI 35.4 gr / 11,300 PSI 1260 fps 1 1/2 oz HS-7 Win. 209 WAA12R 37.0 gr / 10,900 LUP 1260 fps 1315 fps 1205 fps 1 1/2 oz Longshot Fed. 209A Fed. 12S4 25.5 gr / 11,400 PSI 1 1/2 oz Longshot Fed. 209A WAA12R 25.6 gr / 10,200 PSI 27.2 gr / 11,500 PSI 1 1/2 oz Longshot Win. 209 Fed. 12S4 26.8 gr / 10,200 PSI 28.0 gr / 11,400 PSI 1 1/2 oz Longshot Win. 209 WAA12R 27.2 gr / 9,000 PSI 29.1 gr / 10,200 PSI 31.0 gr / 11,500 PSI 12 GA., 2 3/4", FEDERAL HI-POWER PLASTIC SHELLS W/ FIBER BASE WADS 1200 fps 1255 fps 1310 fps Universal Fed. 209A Fed. 12S3 1 1/8 oz 24.0 gr / 8,200 PSI 25.0 gr / 9,000 PSI 26.5 gr / 9,400 PSI 1 1/8 oz Universal Win. 209 WAA12 24.0 gr / 8,300 PSI 25.0 gr / 8,700 PSI 26.5 gr / 9,700 PSI 1 1/4 07 Universal CCI 209M Rem. SP12 25.5 gr / 7,900 PSI 1 1/4 07 Universal Fed. 209A Fed. 12S4 24.0 gr / 10,300 PSI 1 1/4 oz Universal Win. 209 WAA12 F114 25.5 gr / 9,400 PSI Fed. 12S4 1 1/4 oz Universal Win. 209 25.2 gr / 8,800 PSI 12 GA., 2 3/4", FEDERAL PAPER SHELLS 1250 fps 1325 fps 1400 fps 1475 fps 7/8 oz Titewad Fed. 209A WAA12SL 19.1 gr / 6,900 PSI 20.9 gr / 8,100 PSI 22.7 gr / 9,400 PSI 24.6 gr /10,600 PSI Titewad Rem. 209P G/BP SF12 7/8 07 18.4 gr / 8,000 PSI 20.0 gr / 9,400 PSI 21.5 gr / 11,100 PSI 7/8 oz Titewad Win. 209 WAA12SL 21.0 gr / 7,600 PSI 22.9 gr / 8,900 PSI 24.8 gr / 10,200 PSI Clays 7/8 oz Fed. 209A WAA12SL 18.4 gr / 7,200 PSI 20.2 gr / 8,800 PSI 21.9 gr / 10,300 PSI



**POWDER PRIMER** WAD CHARGE/PRESSURE 12 GA., 2 3/4", FEDERAL PAPER SHELLS CONT. 1250 fps 1325 fps 1400 fps 1475 fps 7/8 oz Clays Rem. 209P Rem. Fig. 8 20.9 gr / 8,100 PSI 22.5 gr / 9,300 PSI 7/8 oz Clays Win. 209 WAA12 21.2 gr / 7,600 PSI 22.6 gr / 9,300 PSI 24.0 gr / 11,100 PSI Internat'l CCI 209M Fed. 12S3 22.4 gr / 8,000 PSI 24.0 gr / 9,300 PSI 25.7 gr / 10,600 PSI 7/8 07 Internat'l Fed. 209A Fed. 12S3 22.0 gr / 8,100 PSI 23.5 gr / 9,500 PSI 25.0 gr / 11,300 PSI 7/8 oz 7/8 oz Internat'l Win. 209 WAA12 23.1 gr / 7,400 PSI 24.6 gr / 8,100 PSI 1180 fps 1235 fps 1290 fps 1345 fps 1 07 Titewad CCI 209SC Windjammer 17.2 gr / 6,900 PSI 19.1 gr / 8,300 PSI 20.1 gr / 8,900 PSI 21.5 gr / 10,200 PSI 1 oz Titewad Fed. 209A Fed. 12S3 18.1 gr / 7,500 PSI 19.5 gr / 8,400 PSI 20.6 gr / 9,700 PSI 22.0 gr / 11,100 PSI Titewad Rem. 209P 21.9 gr /10,300 PSI 1 07 Rem. Fig. 8 17.9 gr / 7,000 PSI 19.2 gr / 8,000 PSI 20.5 gr / 9,000 PSI 21.3 gr / 10,900 PSI 1 07 Titewad Win. 209 WAA12 17.4 gr / 7,200 PSI 18.7 gr / 8,900 PSI 20.0 gr / 9,800 PSI 1 oz Clays Fed. 209A Fed.12S0 18.0 gr / 7,100 PSI 19.5 gr / 8,700 PSI 21.0 gr / 10,900 PSI Rem. 209P Rem. TGT 12 18.5 gr / 6,000 PSI 1 oz Clays 20.0 gr / 6,400 PSI 22.0 gr / 7,700 PSI Clays Win. 209 Windjammer 18.0 gr / 5,800 PSI 19.5 gr / 7,300 PSI 20.5 gr / 8,800 PSI 1 oz WAA12SL 17.5 gr / 6,400 PSI 21.0 gr / 10,800 PSI 1 oz Clays Win. 209 19.0 gr / 8,300 PSI 1180 fps 1235 fps 1290 fps 1345 fps 1 oz Internat'l CCI 209M Fed. 12C1 21.6 gr / 7,200 PSI 22.8 gr / 8,500 PSI 24.0 gr / 9,700 PSI 1 07 Internat'l Fed. 209A Fed. 12C1 20.7 gr / 8,100 PSI 22.0 gr / 9,400 PSI 23.2 gr / 10,600 PSI 1 07 Internat'l Rem. 209P Fed. 12C1 23.2 gr / 7,900 PSI 24.2 gr / 9,300 PSI Internat'l 23.2 gr / 7,700 PSI 24.4 gr / 9,100 PSI 1 oz Win. 209 Fed. 12C1 1090 fps 1145 fps 1200 fps 1255 fps Ched. 209 15.9 gr / 8,300 PSI 1 1/8 oz Titewad Fed. 12S3 17.2 gr / 9,700 PSI 18.6 gr / 11,300 PSI 17.5 gr / 9,600 PSI 1 1/8 oz Titewad Ched. 209 Rem. Fig. 8 16.2 gr / 8,300 PSI 18.8 gr / 10,800 PSI 15.9 gr / 8,000 PSI 17.4 gr / 9,400 PSI 18.9 gr / 10,800 PSI 1 1/8 07 Titewad Ched. 209 Windjammer 1 1/8 oz Titewad CCI 209SC WAA12F114 15.3 gr / 9,600 PSI 16.6 gr / 10,500 PSI 17.5 gr / 10,800 PSI Titewad CCI 209M Fed. 12C1 17.5 gr / 9,800 PSI 1 1/8 07 16.3 gr / 8,600 PSI 18.6 gr / 10,900 PSI 1 1/8 oz Titewad Fed. 209A Fed. 12C1 16.6 gr / 7,700 PSI 17.9 gr / 8,800 PSI 19.3 gr / 10,100 PSI 1 1/8 oz Titewad Fed. 209A Fed. 12S4 16.2 gr / 9,000 PSI 17.2 gr / 9,600 PSI 18.4 gr / 10,800 PSI 1 1/8 oz Titewad Fio. 616 Hor. Versalite 16.0 gr / 8,000 PSI 17.0 gr / 9,100 PSI 18.4 gr / 10,500 PSI Titewad Win. 209 WAA12 16.4 gr / 7,500 PSI 17.4 gr / 8,400 PSI 18.8 gr / 10,000 PSI 1 1/8 07 1 1/8 oz Clays Ched. 209 Rem. Fig. 8 16.8 gr / 5,800 PSI 18.4 gr / 8,100 PSI 19.8 gr / 10,300 PSI 1 1/8 oz Ched. 209 Windjammer 17.5 gr / 6,000 PSI 18.7 gr / 7,800 PSI 20.0 gr / 9,800 PSI Clays 1 1/8 oz Clays Fed. 209A Fed. 12C1 17.3 gr / 7,500 PSI 18.3 gr / 8,600 PSI 19.3 gr / 9,700 PSI 1 1/8 oz Clays Fed. 209A Fed. 12S3 17.0 gr / 7,400 PSI 18.0 gr / 8,700 PSI 19.5 gr / 10,500 PSI 16.8 gr / 7,500 PSI 1 1/8 oz Fig. 616 Hor. Versalite 17.5 gr / 8,600 PSI 19.0 gr / 10,300 PSI Clays Rem. 209P Rem. Fig. 8 18.0 gr / 5,900 PSI 1 1/8 oz Clays 18.5 gr / 7,000 PSI 19.5 gr / 9,200 PSI 1 1/8 oz Clays Win. 209 Fed. 12C1 19.3 gr / 7,600 PSI 20.0 gr / 8,300 PSI 1 1/8 oz Clays Win. 209 WAA12 17.0 gr / 7,600 PSI 18.0 gr / 8,800 PSI 19.0 gr / 10,900 PSI 1 1/8 07 Internat'l Ched. 209 Fed. 12C1 18.1 gr / 6,900 PSI 19.3 gr / 8,200 PSI 20.5 gr / 9,500 PSI 21.6 gr /10,700 PSI 1 1/8 oz Internat'l Ched. 209 Rem. Fig. 8 17.9 gr / 6,900 PSI 19.1 gr / 8,000 PSI 20.4 gr / 9,200 PSI 21.7 gr /10,400 PSI 1 1/8 oz Internat'l Ched. 209 Windjammer 18.5 gr / 6,700 PSI 19.7 gr / 7,800 PSI 20.9 gr / 8,800 PSI 22.1 gr / 9,900 PSI Internat'l 1 1/8 oz CCI 209M Red PC 21.2 gr / 7,000 LUP 21.9 gr / 7,500 LUP 22.8 gr / 8,800 LUP 1 1/8 oz Internat'l Fed. 209A Fed. 12C1 19.6 gr / 7,800 PSI 20.9 gr / 9,000 PSI 22.1 gr / 10,200 PSI 1 1/8 oz Fed. 209A Internat'l Fed. 12S4 18.8 gr / 7,000 PSI 19.5 gr / 7,500 PSI 21.0 gr / 10,000 PSI 22.0 gr / 11,200 PSI 1 1/8 oz Internat'l Win. 209 WAA12 20.0 gr / 6,400 LUP 20.6 gr / 7,000 LUP 21.6 gr / 7,500 LUP 23.2 gr / 8,600 LUP 1 1/8 oz Internat'l Rem. 209P Fed. 12C1 21.8 gr / 7,800 PSI 22.9 gr / 9,000 PSI



POWDER **PRIMER** WAD CHARGE/PRESSURE 12 GA., 2 3/4", FEDERAL PAPER SHELLS CONT. 1365 fps 1420 fps 1475 fps 1530 fps 1 1/8 07 Longshot Fed. 209A Fed. 12C1 33.1 gr / 8,500 PSI 34.0 gr / 9,800 PSI 34.9 gr / 11,200 PSI 1 1/8 oz Longshot Fed. 209A G/BP Z21 30.6 gr / 8,100 PSI 31.4 gr / 9,400 PSI 32.2 gr / 10,600 PSI 1 1/8 oz Longshot Rem. 209P Fed. 12C1 33.6 gr / 8,500 PSI 34.6 gr / 9,500 PSI 35.5 gr / 10,300 PSI WAA12 F114 1 1/8 oz Longshot Win. 209 35.7 gr / 8,700 PSI 36.5 gr / 10,100 PSI 12 GA., 2 3/4", FIOCCHI (PURPLE), VICTORY AND PMC PLASTIC SHELLS 1250 fps 1300 fps 1350 fps 1400 fps 7/8 07 Titewad Fed. 209A Fed. 12S0 18.7 gr / 7,400 PSI 19.7 gr / 8,600 PSI 20.7 gr / 9,700 PSI 22.0 gr / 10,500 PSI 19.5 gr / 8,900 PSI 7/8 07 Titewad Fio. 616 Fed. 12S0 18.2 gr / 7,800 PSI 20.5 gr / 10,000 PSI 21.5 gr / 11,200 PSI 7/8 07 Titewad Win. 209 WAA12SL 18.4 gr / 7,500 PSI 19.5 gr / 8,400 PSI 20.6 gr / 9,300 PSI 21.5 gr / 10,000 PSI 1200 fps 1250 fps 1300 fps 1350 fps 7/8 oz Clays CCI 209M Purple PC 17.3 gr / 5,700 PSI 18.1 gr / 6,300 PSI 19.2 gr / 7,700 PSI 7/8 oz Clays Fed. 209A Rem. TGT 12 16.5 gr / 6,400 PSI 17.7 gr / 7,300 PSI 18.7 gr / 7,400 PSI Fio. 616 Fed. 12S0 16.6 gr / 6,800 PSI 17.8 gr / 7,500 PSI 19.2 gr / 8,500 PSI 7/8 07 Clays WAA12SL Win. 209 16.8 gr / 6,200 PSI 18.0 gr / 7,200 PSI 19.0 gr / 8,000 PSI 7/8 oz Clays 21.0 gr / 7,300 PSI 7/8 oz Internat'l CCI 209SC WAA12SL 22.0 gr / 8,100 PSI 22.5 gr / 8,500 PSI 1180 fps 1235 fps 1290 fps 1345 fps 1 07 Titewad Fed. 209A Fed. 12S0 17.0 gr / 8,400 PSI 19.0 gr / 10,200 PSI 20.0 gr / 11,100 PSI 1 oz Titewad Fio. 616 Rem. Fig. 8 17.0 gr / 8,200 PSI 18.0 gr / 9,200 PSI 19.5 gr / 10,300 PSI Titewad Win. 209 WAA12SI 17.2 gr / 7,400 PSI 18.5 gr / 8,900 PSI 19.8 gr / 9,800 PSI 1 07 1 oz Clays CCI 209M Purple PC 18.0 gr / 7,300 PSI 19.1 gr / 8,600 PSI 19.9 gr / 9,400 PSI Clays CCI 209SC WAA12SL 18.0 gr / 8,400 PSI 18.5 gr / 9,500 PSI 1 oz Win. 209 WAA12SL 17.1 gr / 7,800 PSI 18.5 gr / 9,200 PSI 19.3 gr / 10,600 PSI Clays 1 oz Internat'l CCI 209M Purple PC 19.6 gr / 6,400 PSI 20.5 gr / 7,000 PSI 21.6 gr / 8,200 PSI 1 07 WAA12SL 19.0 gr / 7,100 PSI 1 07 Internat'l Win. 209 20.0 gr / 8,600 PSI 21.1 gr / 9,600 PSI 1090 fps 1145 fps 1200 fps 1255 fps 1 1/8 oz Titewad Ched. 209 Fio. TL1 15.6 gr / 8,800 PSI 17.0 gr / 10,400 PSI 1 1/8 oz Titewad Ched. 209 Rem. Fig. 8 15.5 gr / 8,500 PSI 17.0 gr / 9,600 PSI 18.5 gr / 10,800 PSI 1 1/8 oz Titewad Ched. 209 WAA12 15.5 gr / 8,600 PSI 16.8 gr / 9,800 PSI 18.1 gr / 11,000 PSI Titewad 15.3 gr / 9,300 PSI 1 1/8 07 Fig. 616 Fio. TL1 16.4 gr / 10,500 PSI 17.7 gr / 11,400 PSI 1 1/8 oz Titewad Win. 209 WAA12 16.2 gr / 7,900 PSI 16.9 gr / 8,500 PSI 18.5 gr / 10,000 PSI 1 1/8 oz Clays Ched. 209 Fio. TL1 16.8 gr / 8,300 PSI 18.1 gr / 9,500 PSI 19.5 gr / 10,800 PSI 1 1/8 oz Clays Ched. 209 Rem. Fig. 8 16.9 gr / 7,100 PSI 18.3 gr / 8,700 PSI 19.7 gr / 10,300 PSI 1 1/8 oz Ched. 209 WAA12 16.7 gr / 7,700 PSI 17.9 gr / 9,100 PSI 19.2 gr / 10,500 PSI Clays Hor. Versalite 17.9 gr / 6,300 LUP 20.0 gr / 7,700 LUP 1 1/8 oz Clays CCI 209 18.9 gr / 7,000 LUP 1 1/8 oz Clays CCI 209SC Fio. TL1 16.8 gr / 8,300 PSI 18.0 gr / 8,900 PSI 1 1/8 oz Clavs Fed. 209A Fed. 12S3 16.5 gr / 9,100 PSI 17.0 gr / 10,000 PSI 1 1/8 oz Clays Fio. 616 Fio. TL1 16.5 gr / 7,000 LUP 17.9 gr / 8,000 LUP 19.4 gr / 9,100 LUP Rem. 209P 19.9 gr / 7,500 LUP 1 1/8 oz Clays Rem. Fig. 8 17.6 gr / 6,200 LUP 18.8 gr / 6,800 LUP 1 1/8 oz Clays Win. 209 WAA12 16.3 gr / 6,800 LUP 17.6 gr / 8,000 LUP 18.9 gr / 9,200 LUP 1 1/8 oz Internat'l Ched. 209 Fio. TL1 17.9 gr / 7,000 PSI 19.3 gr / 8,200 PSI 20.7 gr / 9,400 PSI 22.0 gr /10,400 PSI Internat'l 22.1 gr / 9,700 PSI 1 1/8 oz Ched. 209 Rem. Fig. 8 18.2 gr / 6,600 PSI 19.5 gr / 7,700 PSI 20.8 gr / 8,700 PSI Internat'l Ched. 209 WAA12 17.9 gr / 7,000 PSI 19.1 gr / 7,900 PSI 8,700 PSI 21.7 gr /10,000 PSI 1 1/8 07 20.1 gr / 19.0 gr / 7,400 PSI 1 1/8 07 Internat'l CCI 209SC Fio. TL1 20.0 gr / 8,500 PSI 21.0 gr / 9,400 PSI 1 1/8 oz Internat'l Fed. 209A Fio. TL1 18.0 gr / 7,800 PSI 18.5 gr / 8,300 PSI 20.0 gr / 10,400 PSI 1 1/8 oz Internat'l Fio. 616 Fio. TL1 19.3 gr / 7,400 LUP 20.3 gr / 7,700 LUP 21.0 gr / 8,300 LUP 22.6 gr / 9,900 LUP



	12 G/	A., 23/4",	, FIOCCHI (F	PURPLE), VICTO	RY AND PMC PL	ASTIC SHELLS (	CONT.
				1090 fps	1145 fps	1200 fps	1255 fps
1 1/8 oz	Internat'l	Win. 209	WAA12	19.2 gr / 7,000 LUP	19.7 gr / 7,400 LUP	21.0 gr / 8,500 LUP	22.0 gr / 9,800 LUP
				1200 fps	1255 fps	1310 fps	
1 1/8 oz	Universal	Fio. 616	Fio. TL1	23.4 gr / 8,600 PSI	25.0 gr / 9,800 PSI	26.5 gr / 10,600 PSI	
1 1/8 oz	Universal	Win. 209	WAA12	23.3 gr / 9,100 PSI	24.0 gr / 9,600 PSI	25.0 gr / 10,800 PSI	
				1420 fps	1475 fps	1530 fps	1585 fps
1 1/8 oz	Longshot	Fio. 616	Fed. 12S3	33.2 gr / 8,000 PSI	34.7 gr / 8,900 PSI	36.2 gr / 9,800 PSI	37.8 gr / 10,700 PSI
1 1/8 oz	Longshot	Fio. 616	Fio. TL1	33.4 gr / 8,300 PSI	34.8 gr / 9,300 PSI	36.2 gr / 10,300 PSI	37.6 gr / 11,200 PSI
1 1/8 oz	Longshot	Fio. 616	Rem. Fig. 8	33.4 gr / 7,500 PSI	34.9 gr / 8,500 PSI	36.4 gr / 9,400 PSI	37.9 gr / 10,300 PSI
1 1/8 oz	Longshot	Fio. 616	WAA12	32.7 gr / 8,400 PSI	34.0 gr / 9,300 PSI	35.3 gr / 10,100 PSI	36.6 gr / 11,000 PSI
1 1/8 oz	Longshot	Fio. 616	Windjammer	33.7 gr / 7,600 PSI	35.3 gr / 8,400 PSI	36.8 gr / 9,200 PSI	38.3 gr /10,000 PSI
				1220 fps	1330 fps		
1 1/4 oz	Universal	Fio. 616	WAA12F114	24.0 gr / 10,900 PSI	_		
1 1/4 oz	Universal	Win. 209	Rem. SP12	24.0 gr / 10,900 PSI	_		
1 1/4 oz	HS-6	Win. 209	Rem. R12H	_	35.0 gr / 9,200 LUP		
				1260 fps			
1 1/2 oz	HS-7	Fio. 616	WAA12R	39.0 gr / 10,800 LUP			

				TON PREMIER, N 1250 fps	1300 fps	1350 fps	1400 fps
7/8 oz	Titewad	CCI 209	Rem. TGT 12	16.9 gr / 9,400 PSI	17.8 gr / 10,800 PSI	19.0 gr / 11,400 PSI	
7/8 oz	Titewad	CCI 209	WAA12L	16.8 gr / 10,100 PSI	18.0 gr / 10,700 PSI	19.0 gr / 11,500 PSI	_
7/8 oz	Titewad	CCI 209SC	Rem. TGT 12	16.6 gr / 9,600 PSI	17.7 gr / 10,800 PSI	18.8 gr / 11,500 PSI	_
7/8 oz	Titewad	CCI 209SC	WAA12SL	17.0 gr / 10,600 PSI	17.3 gr / 10,900 PSI	_	_
7/8 oz	Titewad	Fed. 209A	Rem. TGT 12	16.8 gr / 9,100 PSI	18.0 gr / 10,100 PSI	19.1 gr / 11,000 PSI	20.2 gr / 11,500 PS
7/8 oz	Titewad	Fed. 209A	WAA12L	17.0 gr / 9,600 PSI	18.0 gr / 10,700 PSI	19.0 gr / 11,500 PSI	_
7/8 oz	Titewad	Rem. 209P	CB-4100-12	17.8 gr / 7,000 PSI	19.0 gr / 8,000 PSI	20.1 gr / 8,800 PSI	21.3 gr / 9,700 Ps
7/8 oz	Titewad	Rem. 209P	Rem. TGT 12	17.4 gr / 8,200 PSI	18.7 gr / 9,100 PSI	19.8 gr / 9,500 PSI	21.0 gr /10,500 P
7/8 oz	Titewad	Rem. 209P	WAA12L	16.9 gr / 8,200 PSI	18.4 gr / 9,400 PSI	19.7 gr / 10,100 PSI	20.9 gr / 11,300 P
7/8 oz	Titewad	Win. 209	CB-4100-12	18.7 gr / 7,000 PSI	19.8 gr / 7,800 PSI	20.9 gr / 8,500 PSI	22.1 gr / 9,400 P
7/8 oz	Titewad	Win. 209	Rem. TGT 12	17.0 gr / 8,500 PSI	18.0 gr / 9,900 PSI	19.2 gr / 10,900 PSI	_
7/8 oz	Titewad	Win. 209	WAA12L	17.3 gr / 8,300 PSI	18.6 gr / 9,200 PSI	19.8 gr / 10,600 PSI	21.1 gr / 11,300 P
				1200 fps	1250 fps	1300 fps	1350 fps
7/8 oz	Clays	CCI 209	Rem. TGT 12	16.1 gr / 7,900 PSI	17.3 gr / 9,400 PSI	18.3 gr / 10,100 PSI	19.6 gr / 11,200 P
7/8 oz	Clays	CCI 209	WAA12L	16.3 gr / 8,800 PSI	17.3 gr / 9,900 PSI	18.7 gr / 11,200 PSI	_
7/8 oz	Clays	CCI 209SC	Rem. TGT 12	18.0 gr / 7,000 PSI	18.8 gr / 7,900 PSI	19.5 gr / 8,900 PSI	20.5 gr / 9,900 P
7/8 oz	Clays	CCI 209SC	WAA12L	16.8 gr / 7,000 PSI	17.8 gr / 7,800 PSI	18.6 gr / 10,000 PSI	19.6 gr / 11,000 P
7/8 oz	Clays	Fed. 209A	Activ TG-30	16.2 gr / 7,700 PSI	17.5 gr / 9,200 PSI	18.5 gr / 10,300 PSI	_
7/8 oz	Clays	Fed. 209A	Fed. 12S0	16.3 gr / 8,900 PSI	17.3 gr / 9,600 PSI	18.5 gr / 11,500 PSI	_
7/8 oz	Clays	Fed. 209A	Rem. TGT 12	16.1 gr / 8,700 PSI	17.3 gr / 9,800 PSI	18.3 gr / 11,100 PSI	_
7/8 oz	Clays	Fed. 209A	WAA12L	16.0 gr / 8,100 PSI	17.0 gr / 10,200 PSI	18.2 gr / 10,800 PSI	_
7/8 oz	Clays	Rem. 209P	CB-4100-12	16.9 gr / 5,800 PSI	18.2 gr / 6,700 PSI	19.6 gr / 7,600 PSI	20.9 gr / 8,400 P
7/8 oz	Clays	Rem. 209P	Rem. TGT 12	16.4 gr / 6,300 PSI	17.5 gr / 7,100 PSI	18.9 gr / 7,400 PSI	_
7/8 oz	Clays	Rem. 209P	Fed. 12S0	16.0 gr / 7,500 PSI	17.2 gr / 8,200 PSI	18.8 gr / 9,100 PSI	_
7/8 oz	Clays	Rem. 209P	WAA12SL	_	18.0 gr / 8,400 PSI	19.5 gr / 10,200 PSI	_
	Clays	Rem. 209P	WAA12L	16.8 gr / 6,700 PSI	18.0 gr / 7,300 PSI	19.3 gr / 9,000 PSI	20.3 gr / 9,700 P
7/8 oz	Oldys						



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	12 GA.,	2 3/4",	REMINGTON		RO 27 AND STS F		
				1200 fps	1250 fps	1300 fps	1350 fps
7/8 oz	Clays	Win. 209	Rem. TGT 12	16.8 gr / 7,500 PSI	18.0 gr / 8,400 PSI	19.0 gr / 9,100 PSI	20.0 gr / 10,100PS
7/8 oz	Clays	Win. 209	WAA12SL	15.9 gr / 7,100 PSI	17.1 gr / 8,900 PSI	18.2 gr / 10,000 PSI	
7/8 oz	Clays	Win. 209	WAA12L	17.1 gr / 8,100 PSI	18.0 gr / 8,900 PSI	19.3 gr / 10,100 PSI	20.1 gr / 11,400 PS
				1250 fps	1300 fps	1350 fps	1400 fps
7/8 oz	Internat'l	CCI 209	Rem. TGT 12	19.8 gr / 6,900 PSI	20.8 gr / 7,800 PSI	21.9 gr / 8,700 PSI	22.9 gr / 9,600 PS
7/8 oz	Internat'l	CCI 209	WAA12L	20.0 gr / 7,100 PSI	20.9 gr / 7,900 PSI	21.9 gr / 8,700 PSI	22.8 gr / 9,500 PS
7/8 oz	Internat'l	CCI 209SC	Rem. TGT 12	20.7 gr / 7,100 PSI	21.0 gr / 7,700 PSI	22.2 gr / 8,400 PSI	23.2 gr / 9,200 PS
7/8 oz	Internat'l	CCI 209SC	WAA12L	20.0 gr / 7,100 PSI	21.0 gr / 8,000 PSI	22.0 gr / 9,000 PSI	22.9 gr / 9,900 P
7/8 oz	Internat'l	Fed. 209A	Fed. 12S0	19.3 gr / 7,700 PSI	20.4 gr / 8,700 PSI	21.4 gr / 9,600 PSI	22.5 gr / 10,600P
7/8 oz	Internat'l	Fed. 209A	Rem. TGT 12	19.1 gr / 7,300 PSI	20.2 gr / 8,200 PSI	21.3 gr / 9,000 PSI	22.4 gr / 9,900 P
7/8 oz	Internat'l	Fed. 209A	WAA12L	19.4 gr / 7,200 PSI	20.4 gr / 8,000 PSI	21.5 gr / 9,000 PSI	22.6 gr / 10,000P
7/8 oz	Internat'l	Rem. 209P	Rem. TGT 12	20.0 gr / 6,600 PSI	21.0 gr / 7,500 PSI	21.9 gr / 8,300 PSI	22.9 gr / 9,200 P
7/8 oz	Internat'l	Rem. 209P	WAA12L	20.5 gr / 6,900 PSI	21.3 gr / 7,600 PSI	22.2 gr / 8,400 PSI	23.1 gr / 9,300 P
7/8 oz	Internat'l	Win. 209	Fed. 12S0	20.2 gr / 6,900 PSI	21.2 gr / 7,800 PSI	22.2 gr / 8,700 PSI	23.2 gr / 9,500 P
7/8 oz	Internat'l	Win. 209	Rem. TGT 12	20.2 gr / 6,500 PSI	21.3 gr / 7,300 PSI	22.3 gr / 8,100 PSI	23.4 gr / 8,900 P
7/8 oz	Internat'l	Win. 209	WAA12L	20.7 gr / 6,500 PSI	21.5 gr / 7,400 PSI	22.3 gr / 8,200 PSI	23.1 gr / 9,100 P
				1125 fps	1180 fps	1235 fps	1290 fps
1 oz	Titewad	CCI 209	Purple PC	_	17.0 gr / 8,200 PSI	18.0 gr / 10,100 PSI	19.0 gr / 10,500P
1 oz	Titewad	CCI 209	Rem. TGT 12	15.2 gr / 8,200 PSI	16.4 gr / 9,100 PSI	17.7 gr / 10,500 PSI	19.0 gr / 11,400 P
1 oz	Titewad	CCI 209	WAA12L	15.8 gr / 8,200 PSI	16.8 gr / 9,000 PSI	17.8 gr / 10,500 PSI	
1 oz	Titewad	CCI 209SC	WAA12SL	15.2 gr / 8,200 PSI	16.2 gr / 9,700 PSI	17.5 gr / 10,800 PSI	18.5 gr / 11,400 P
1 oz	Titewad	Fed. 209A	Purple PC	16.2 gr / 6,500 PSI	17.2 gr / 7,200 PSI	18.4 gr / 8,000 PSI	20.0 gr / 9,800P
1 oz	Titewad	Fed. 209A	Rem. TGT 12	15.5 gr / 7,500 PSI	16.5 gr / 8,800 PSI	17.8 gr / 10,000 PSI	
1 oz	Titewad	Fed. 209A	WAA12SL	15.8 gr / 8,000 PSI	17.0 gr / 8,600 PSI	18.2 gr / 10,100 PSI	19.4 gr / 11,000 P
1 oz	Titewad	Fio. 616	Windjammer			18.0 gr / 9,600 PSI	19.2 gr / 10,800 P
1 oz	Titewad	Rem. 209P	CB-4100-12	15.7 gr / 6,800 PSI	17.0 gr / 8,100 PSI	18.2 gr / 9,300 PSI	19.5 gr / 10,600P
1 oz	Titewad	Rem. 209P	WAA12SL	15.5 gr / 7,900 PSI	16.7 gr / 9,200 PSI	18.0 gr / 10,000 PSI	19.0 gr / 11,300 P
1 oz	Titewad	Rem. 209P	Rem. TGT 12	13.3 gi / 7,700 T 31	16.7 gr / 7,800 PSI	18.2 gr / 9,600 PSI	19.4 gr / 11,300 P
1 oz	Titewad	Win. 209	CB-4100-12	15.8 gr / 6,800 PSI	17.1 gr / 7,900 PSI	18.4 gr / 9,200 PSI	19.6 gr / 10,200P
1 oz	Titewad	Win. 209	Purple PC	-	17.7 gr / 6,900 PSI	19.0 gr / 8,400 PSI	20.2 gr / 9,800 P
1 oz	Titewad	Win. 209	Rem. TGT 12	16.6 gr / 5,600 PSI		17.9 gr / 9,800 PSI	19.2 gr / 11,000 P
	Titewad	Win. 209	WAA12SL	15.3 gr / 7,400 PSI	16.6 gr / 8,600 PSI		19.2 gi / 11,000 F
1 oz				15.5 gr / 7,900 PSI	16.5 gr / 8,900 PSI	18.0 gr / 11,000 PSI	20.7 or / 0.400 l
1 oz	Clays	CCI 209	Purple PC	17.1 gr / 6,400 LUP	18.3 gr / 7,100 LUP	19.5 gr / 7,700 LUP	20.7 gr / 8,400 L
1 oz	Clays		Rem. TGT 12	15.4 gr / 8,700 PSI	16.6 gr / 9,600 PSI	18.2 gr / 11,400 PSI	
1 oz	Clays	CCI 209	WAA12SL	15.1 gr / 8,500 PSI	16.3 gr / 10,100 PSI	17.5 gr / 11,200 PSI	20.5 /11.100.1
1 oz	Clays	CCI 209SC	Rem. TGT 12	15.7 gr / 6,900 LUP	17.8 gr / 8,100 LUP	18.8 gr / 9,900 LUP	20.5 gr / 11,100 L
1 oz	Clays	CCI 209SC	WAA12SL	15. 8 gr/ 8,300 PSI	16.6 gr /10,000 PSI	17.4 gr / 11,300 PSI	
1 oz	Clays	Fed. 209A	Purple PC	16.0 gr / 7,900 PSI	17.0 gr / 9,100 PSI	18.5 gr / 10,300 PSI	
1 oz	Clays	Fed. 209A	WAA12SL	15.6 gr / 9,200 PSI	16.5 gr / 10,800 PSI	17.7 gr / 11,300 PSI	
	Clays	Rem. 209P	CB-4100-12	16.7 gr / 5,800 PSI	18.0 gr / 7,200 PSI	19.2 gr / 8,500 PSI	20.4 gr / 9,800 P
1 oz	Clays	Rem. 209P	Purple PC	16.6 gr / 6,100 PSI	17.8 gr / 7,400 PSI	19.1 gr / 8,800 PSI	20.3 gr / 10,100P
1 oz	Clays	Rem. 209P	Rem. TGT 12	16.8 gr / 6,600 LUP	17.9 gr / 7,400 LUP	18.9 gr / 8,100 LUP	19.9 gr / 8,800 L
1 oz	Clays	Rem. 209P	WAA12SL	16.4 gr / 6,700 PSI	17.6 gr / 8,100 PSI	18.7 gr / 9,400 PSI	19.9 gr / 10,900P
1 oz	Clays	Win. 209	Purple PC	16.8 gr / 5,700 PSI	18.1 gr / 7,000 PSI	19.4 gr / 8,300 PSI	20.6 gr / 9,500 P
1 oz	Clays	Win. 209	Rem. TGT 12	16.3 gr / 6,500 PSI	17.6 gr / 7,900 PSI	18.8 gr / 9,200 PSI	20.1 gr / 10,500P
1 oz	Clays	Win. 209	WAA12SL	15.7 gr / 7,100 LUP	17.0 gr / 8,200 LUP	18.4 gr / 9,500 LUP	19.8 gr /10,700 L



	12 GA.	, 23/4",	REMINGTON	PREMIER, NITRO 27 AND STS PLASTIC SHELLS CONT.				
				1125 fps	1180 fps	1235 fps	1290 fps	
OZ	Clays	Win. 209	Windjammer	17.3 gr / 5,500 PSI	18.4 gr / 7,100 PSI	19.5 gr / 8,600 PSI	20.6 gr / 10,200	
				1180 fps	1235 fps	1290 fps	1345 fps	
OZ	Internat'l	CCI 209	Rem. TGT 12	19.0 gr / 6,800 PSI	20.0 gr / 7,900 PSI	21.0 gr / 9,000 PSI	22.0 gr / 10,100	
ΟZ	Internat'l	CCI 209	WAA12SL	18.6 gr / 7,400 PSI	19.8 gr / 8,500 PSI	21.0 gr / 9,500 PSI	22.3 gr / 10,600	
l oz	Internat'l	CCI 209SC	Purple PC	18.7 gr / 7,200 PSI	20.0 gr / 8,100 PSI	21.2 gr / 9,000 PSI	22.5 gr / 10,000	
ΟZ	Internat'l	CCI 209SC	Rem. TGT 12	19.5 gr / 6,800 PSI	20.8 gr / 7,800 PSI	22.2 gr / 9,300 PSI	22.8 gr /10,300	
1 oz	Internat'l	CCI 209SC	WAA12SL	18.7 gr / 7,200 PSI	19.8 gr / 8,300 PSI	21.0 gr / 9,400 PSI	22.2 gr / 10,600	
1 oz	Internat'l	Fed. 209A	Purple PC	18.4 gr / 7,100 PSI	19.6 gr / 8,200 PSI	20.9 gr / 9,400 PSI	22.2 gr / 10,600	
l oz	Internat'l	Fed. 209A	Rem. TGT 12	18.2 gr / 7,900 PSI	19.2 gr / 9,000 PSI	20.2 gr / 10,000 PSI	21.3 gr / 11,100	
l oz	Internat'l	Fed. 209A	WAA12SL	17.8 gr / 7,500 PSI	19.0 gr / 8,800 PSI	20.3 gr / 10,200 PSI	21.5 gr / 11,500	
1 oz	Internat'l	Rem. 209P	Purple PC	19.2 gr / 6,800 PSI	20.5 gr / 7,900 PSI	21.7 gr / 8,900 PSI	23.0 gr / 9,900	
1 oz	Internat'l	Rem. 209P	Rem. TGT 12	20.2 gr / 6,800 LUP	20.9 gr / 7,700 LUP	21.4 gr / 8,900 LUP	_	
l oz	Internat'l	Rem. 209P	WAA12SL	19.0 gr / 6,800 PSI	20.2 gr / 8,100 PSI	21.3 gr / 9,300 PSI	22.4 gr / 10,500	
1 oz	Internat'l	Win. 209	Purple PC	20.2 gr / 6,500 PSI	21.3 gr / 7,500 PSI	22.4 gr / 8,500 PSI	23.5 gr / 9,600	
l oz	Internat'l	Win. 209	Rem. TGT 12	18.9 gr / 7,100 PSI	20.2 gr / 8,200 PSI	21.5 gr / 9,300 PSI	22.8 gr / 10,300	
1 oz	Internat'l	Win. 209	WAA12SL	18.4 gr / 7,100 LUP	20.1 gr / 8,600 LUP	21.0 gr / 10,000 LUP		
1 oz	Titegroup	Rem. 209P	Rem. TGT 12	16.1 gr / 7,900 PSI	17.3 gr / 8,900 PSI	18.6 gr / 10,100 PSI	19.9 gr / 11,200	
1 oz	Titegroup	Rem. 209P	WAA12SL	16.4 gr / 7,700 PSI	17.6 gr / 9,100 PSI	18.8 gr / 10,400 PSI	_	
1 oz	Titegroup	Win. 209	Rem. TGT 12	16.0 gr / 7,700 PSI	17.5 gr / 8,900 PSI	18.9 gr / 10,000 PSI	20.3 gr / 11,000	
1 oz	Titegroup	Win. 209	WAA12SL	16.3 gr / 8,100 PSI	17.6 gr / 9,100 PSI	18.9 gr / 10,200 PSI	20.5 gr / 11,300	
				1090 fps	1145 fps	1200 fps	1255 fps	
	Titewad	Ched. 209	Dom Fig. 0	45.0 (40.400.50)	14.2 or / 11.000 DCI	•	•	
3 OZ	momaa	Cried. 209	Rem. Fig. 8	15.3 gr / 10,400 PSI	16.2 gr / 11,000 PSI	_	_	
	Titewad	Ched. 209	WAA12	15.3 gr / 10,400 PSI 15.0 gr / 10,400 PSI	15.8 gr / 11,400 PSI	<u> </u>		
oz		_	-	-				
3 oz 3 oz	Titewad	Ched. 209	WAA12	15.0 gr / 10,400 PSI	15.8 gr / 11,400 PSI			
3 oz 3 oz 3 oz	Titewad Titewad	Ched. 209 Ched. 209	WAA12 Windjammer	15.0 gr / 10,400 PSI 15.5 gr / 9,400 PSI	15.8 gr / 11,400 PSI 16.5 gr / 10,500 PSI	- - - -	- - - -	
3 oz 3 oz 3 oz 3 oz	Titewad Titewad Titewad	Ched. 209 Ched. 209 CCI 209	WAA12 Windjammer Red PC	15.0 gr / 10,400 PSI 15.5 gr / 9,400 PSI 15.5 gr / 10,200 PSI	15.8 gr / 11,400 PSI 16.5 gr / 10,500 PSI 16.0 gr / 10,800 PSI	- - - - -		
3 oz 3 oz 3 oz 3 oz 3 oz 3 oz	Titewad Titewad Titewad Titewad	Ched. 209 Ched. 209 CCI 209 CCI 209	WAA12 Windjammer Red PC Rem. Fig. 8	15.0 gr / 10,400 PSI 15.5 gr / 9,400 PSI 15.5 gr / 10,200 PSI 15.0 gr / 10,600 PSI	15.8 gr / 11,400 PSI 16.5 gr / 10,500 PSI 16.0 gr / 10,800 PSI 15.8 gr / 11,300 PSI	- - - - -		
3 oz 3 oz 3 oz 3 oz 3 oz 3 oz 3 oz	Titewad Titewad Titewad Titewad Titewad	Ched. 209 Ched. 209 CCI 209 CCI 209 CCI 209SC	WAA12 Windjammer Red PC Rem. Fig. 8 WAA12	15.0 gr / 10,400 PSI 15.5 gr / 9,400 PSI 15.5 gr / 10,200 PSI 15.0 gr / 10,600 PSI 15.0 gr / 10,100 PSI	15.8 gr / 11,400 PSI 16.5 gr / 10,500 PSI 16.0 gr / 10,800 PSI 15.8 gr / 11,300 PSI 15.8 gr / 11,100 PSI			
3 oz 3 oz 3 oz 3 oz 3 oz 3 oz 3 oz	Titewad Titewad Titewad Titewad Titewad Titewad Titewad	Ched. 209 Ched. 209 CCI 209 CCI 209 CCI 209SC CCI 209SC	WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer	15.0 gr / 10,400 PSI 15.5 gr / 9,400 PSI 15.5 gr / 10,200 PSI 15.0 gr / 10,600 PSI 15.0 gr / 10,100 PSI 15.0 gr / 10,000 PSI	15.8 gr / 11,400 PSI 16.5 gr / 10,500 PSI 16.0 gr / 10,800 PSI 15.8 gr / 11,300 PSI 15.8 gr / 11,100 PSI 16.0 gr / 11,100 PSI	    18.0 gr / 11,300 PSI		
3 oz 3 oz 3 oz 3 oz 3 oz 3 oz 3 oz 3 oz	Titewad Titewad Titewad Titewad Titewad Titewad Titewad Titewad Titewad	Ched. 209 Ched. 209 CCI 209 CCI 209 CCI 209 CCI 209SC CCI 209SC Fed. 209A	WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Red PC	15.0 gr / 10,400 PSI 15.5 gr / 9,400 PSI 15.5 gr / 10,200 PSI 15.0 gr / 10,600 PSI 15.0 gr / 10,000 PSI 15.0 gr / 10,000 PSI 15.5 gr / 9,200 PSI	15.8 gr / 11,400 PSI 16.5 gr / 10,500 PSI 16.0 gr / 10,800 PSI 15.8 gr / 11,300 PSI 15.8 gr / 11,100 PSI 16.0 gr / 11,100 PSI 16.5 gr / 9,700 PSI	    18.0 gr / 11,300 PSI 	- - - - - - - - -	
3 oz 3 oz 3 oz 3 oz 3 oz 3 oz 3 oz 3 oz	Titewad	Ched. 209 Ched. 209 CCI 209 CCI 209 CCI 209SC CCI 209SC Fed. 209A	WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Red PC Rem. Fig. 8	15.0 gr / 10,400 PSI 15.5 gr / 9,400 PSI 15.5 gr / 10,200 PSI 15.0 gr / 10,600 PSI 15.0 gr / 10,000 PSI 15.0 gr / 10,000 PSI 15.5 gr / 9,200 PSI 15.2 gr / 9,600 PSI	15.8 gr / 11,400 PSI 16.5 gr / 10,500 PSI 16.0 gr / 10,800 PSI 15.8 gr / 11,300 PSI 15.8 gr / 11,100 PSI 16.0 gr / 11,100 PSI 16.5 gr / 9,700 PSI 16.3 gr / 10,700 PSI			
3 oz 3 oz 3 oz 3 oz 3 oz 3 oz 3 oz 3 oz	Titewad	Ched. 209 Ched. 209 CCI 209 CCI 209 CCI 209SC CCI 209SC Fed. 209A Fed. 209A Fed. 209A	WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Red PC Rem. Fig. 8 WAA12	15.0 gr / 10,400 PSI 15.5 gr / 9,400 PSI 15.5 gr / 10,200 PSI 15.0 gr / 10,600 PSI 15.0 gr / 10,100 PSI 15.0 gr / 10,000 PSI 15.5 gr / 9,200 PSI 15.2 gr / 9,600 PSI 15.2 gr / 9,800 PSI	15.8 gr / 11,400 PSI 16.5 gr / 10,500 PSI 16.0 gr / 10,800 PSI 15.8 gr / 11,300 PSI 15.8 gr / 11,100 PSI 16.0 gr / 11,100 PSI 16.5 gr / 9,700 PSI 16.3 gr / 10,700 PSI 16.0 gr / 10,500 PSI	_ _		
3 oz 3 oz 3 oz 3 oz 3 oz 3 oz 3 oz 3 oz	Titewad	Ched. 209 Ched. 209 CCI 209 CCI 209 CCI 209SC CCI 209SC Fed. 209A Fed. 209A Fed. 209A	WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer	15.0 gr / 10,400 PSI 15.5 gr / 9,400 PSI 15.5 gr / 10,200 PSI 15.0 gr / 10,600 PSI 15.0 gr / 10,100 PSI 15.0 gr / 10,000 PSI 15.2 gr / 9,200 PSI 15.2 gr / 9,800 PSI 15.3 gr / 9,000 PSI	15.8 gr / 11,400 PSI 16.5 gr / 10,500 PSI 16.0 gr / 10,800 PSI 15.8 gr / 11,300 PSI 15.8 gr / 11,100 PSI 16.0 gr / 11,100 PSI 16.5 gr / 9,700 PSI 16.3 gr / 10,700 PSI 16.3 gr / 10,500 PSI 16.3 gr / 9,500 PSI	_ _		
3 oz 3 oz 3 oz 3 oz 3 oz 3 oz 3 oz 3 oz	Titewad	Ched. 209 Ched. 209 CCI 209 CCI 209 CCI 209SC CCI 209SC Fed. 209A Fed. 209A Fed. 209A Fio. 616	WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Fig. 8	15.0 gr / 10,400 PSI 15.5 gr / 9,400 PSI 15.5 gr / 10,200 PSI 15.0 gr / 10,600 PSI 15.0 gr / 10,100 PSI 15.0 gr / 10,000 PSI 15.2 gr / 9,600 PSI 15.2 gr / 9,800 PSI 15.3 gr / 9,000 PSI 15.0 gr / 10,700 PSI	15.8 gr / 11,400 PSI 16.5 gr / 10,500 PSI 16.0 gr / 10,800 PSI 15.8 gr / 11,300 PSI 15.8 gr / 11,100 PSI 16.0 gr / 11,100 PSI 16.5 gr / 9,700 PSI 16.3 gr / 10,700 PSI 16.3 gr / 9,500 PSI 16.0 gr / 11,500 PSI	_ _		
3 oz 3 oz 3 oz 3 oz 3 oz 3 oz 3 oz 3 oz	Titewad	Ched. 209 Ched. 209 CCI 209 CCI 209 CCI 209SC CCI 209SC Fed. 209A Fed. 209A Fed. 209A Fio. 616 Fio. 616	WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Fio. TL1 Rem. Fig. 8	15.0 gr / 10,400 PSI 15.5 gr / 9,400 PSI 15.5 gr / 10,200 PSI 15.0 gr / 10,600 PSI 15.0 gr / 10,100 PSI 15.0 gr / 10,000 PSI 15.2 gr / 9,600 PSI 15.2 gr / 9,800 PSI 15.3 gr / 9,000 PSI 15.0 gr / 10,700 PSI 15.0 gr / 10,700 PSI	15.8 gr / 11,400 PSI 16.5 gr / 10,500 PSI 16.0 gr / 10,800 PSI 15.8 gr / 11,300 PSI 15.8 gr / 11,100 PSI 16.0 gr / 11,100 PSI 16.5 gr / 9,700 PSI 16.3 gr / 10,700 PSI 16.3 gr / 9,500 PSI 16.0 gr / 11,500 PSI 16.0 gr / 11,500 PSI	_ _		
33 oz 33 oz	Titewad	Ched. 209 Ched. 209 CCI 209 CCI 209 CCI 209SC CCI 209SC Fed. 209A Fed. 209A Fed. 209A Fio. 616 Fio. 616 Fio. 616	WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Fio. TL1 Rem. Fig. 8 WAA12	15.0 gr / 10,400 PSI 15.5 gr / 9,400 PSI 15.5 gr / 10,200 PSI 15.0 gr / 10,600 PSI 15.0 gr / 10,100 PSI 15.0 gr / 10,000 PSI 15.2 gr / 9,600 PSI 15.2 gr / 9,600 PSI 15.3 gr / 9,000 PSI 15.0 gr / 10,700 PSI 15.0 gr / 10,000 PSI 15.0 gr / 9,400 PSI	15.8 gr / 11,400 PSI 16.5 gr / 10,500 PSI 16.0 gr / 10,800 PSI 15.8 gr / 11,300 PSI 15.8 gr / 11,100 PSI 16.0 gr / 11,100 PSI 16.5 gr / 9,700 PSI 16.3 gr / 10,500 PSI 16.3 gr / 9,500 PSI 16.0 gr / 11,500 PSI 16.0 gr / 11,000 PSI 16.0 gr / 11,000 PSI			
3 oz 3 oz 3 oz 3 oz 3 oz 3 oz 3 oz 3 oz	Titewad	Ched. 209 Ched. 209 CCI 209 CCI 209 CCI 209SC CCI 209SC Fed. 209A Fed. 209A Fed. 209A Fio. 616 Fio. 616 Rem. 209P	WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Fio. TL1 Rem. Fig. 8 WAA12 Red PC	15.0 gr / 10,400 PSI 15.5 gr / 9,400 PSI 15.5 gr / 10,200 PSI 15.0 gr / 10,600 PSI 15.0 gr / 10,100 PSI 15.0 gr / 10,000 PSI 15.2 gr / 9,600 PSI 15.2 gr / 9,600 PSI 15.3 gr / 9,000 PSI 15.0 gr / 10,700 PSI 15.0 gr / 10,000 PSI 15.0 gr / 9,400 PSI 15.5 gr / 9,400 PSI	15.8 gr / 11,400 PSI 16.5 gr / 10,500 PSI 16.0 gr / 10,800 PSI 15.8 gr / 11,300 PSI 15.8 gr / 11,100 PSI 16.0 gr / 11,100 PSI 16.5 gr / 9,700 PSI 16.3 gr / 10,700 PSI 16.3 gr / 9,500 PSI 16.0 gr / 11,500 PSI 16.0 gr / 11,000 PSI			
3 oz 3 oz 3 oz 3 oz 3 oz 3 oz 3 oz 3 oz	Titewad	Ched. 209 Ched. 209 CCI 209 CCI 209 CCI 209SC CCI 209SC Fed. 209A Fed. 209A Fed. 209A Fio. 616 Fio. 616 Fio. 616 Rem. 209P Rem. 209P	WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Fio. TL1 Rem. Fig. 8 WAA12 Red PC Rem. Fig. 8	15.0 gr / 10,400 PSI 15.5 gr / 9,400 PSI 15.5 gr / 10,200 PSI 15.0 gr / 10,600 PSI 15.0 gr / 10,100 PSI 15.0 gr / 10,000 PSI 15.2 gr / 9,600 PSI 15.2 gr / 9,600 PSI 15.3 gr / 9,000 PSI 15.0 gr / 10,700 PSI 15.0 gr / 10,000 PSI 15.0 gr / 9,400 PSI 15.5 gr / 8,600 PSI 15.5 gr / 9,100 PSI	15.8 gr / 11,400 PSI 16.5 gr / 10,500 PSI 16.0 gr / 10,800 PSI 15.8 gr / 11,300 PSI 15.8 gr / 11,100 PSI 16.0 gr / 11,100 PSI 16.5 gr / 9,700 PSI 16.3 gr / 10,700 PSI 16.3 gr / 9,500 PSI 16.0 gr / 11,500 PSI 16.0 gr / 11,000 PSI 16.0 gr / 10,600 PSI 16.0 gr / 10,600 PSI 16.7 gr / 10,200 PSI			
3 oz 3 oz 3 oz 3 oz 3 oz 3 oz 3 oz 3 oz	Titewad	Ched. 209 Ched. 209 Ched. 209 CCI 209 CCI 209SC CCI 209SC Fed. 209A Fed. 209A Fed. 209A Fio. 616 Fio. 616 Fio. 616 Rem. 209P Rem. 209P	WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Fio. TL1 Rem. Fig. 8 WAA12 Red PC Rem. Fig. 8 Trapper	15.0 gr / 10,400 PSI 15.5 gr / 9,400 PSI 15.5 gr / 10,200 PSI 15.0 gr / 10,600 PSI 15.0 gr / 10,100 PSI 15.0 gr / 10,000 PSI 15.2 gr / 9,600 PSI 15.2 gr / 9,600 PSI 15.3 gr / 9,000 PSI 15.0 gr / 10,700 PSI 15.0 gr / 10,700 PSI 15.0 gr / 9,400 PSI 15.5 gr / 8,600 PSI 15.2 gr / 9,100 PSI 15.2 gr / 9,100 PSI	15.8 gr / 11,400 PSI 16.5 gr / 10,500 PSI 16.0 gr / 10,800 PSI 15.8 gr / 11,300 PSI 15.8 gr / 11,100 PSI 16.0 gr / 11,100 PSI 16.3 gr / 10,700 PSI 16.3 gr / 10,700 PSI 16.3 gr / 10,500 PSI 16.0 gr / 11,500 PSI 16.0 gr / 11,000 PSI 16.0 gr / 10,600 PSI 16.0 gr / 10,600 PSI 16.0 gr / 10,000 PSI 16.7 gr / 10,200 PSI 16.5 gr / 10,100 PSI			
3 oz	Titewad	Ched. 209 Ched. 209 Ched. 209 CCI 209 CCI 209SC CCI 209SC Fed. 209A Fed. 209A Fed. 209A Fio. 616 Fio. 616 Fio. 616 Rem. 209P Rem. 209P Rem. 209P	WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Fio. TL1 Rem. Fig. 8 WAA12 Red PC Rem. Fig. 8 Trapper WAA12	15.0 gr / 10,400 PSI 15.5 gr / 9,400 PSI 15.5 gr / 10,200 PSI 15.0 gr / 10,600 PSI 15.0 gr / 10,100 PSI 15.0 gr / 10,000 PSI 15.2 gr / 9,600 PSI 15.2 gr / 9,600 PSI 15.3 gr / 9,000 PSI 15.0 gr / 10,700 PSI 15.0 gr / 10,700 PSI 15.0 gr / 9,400 PSI 15.2 gr / 9,400 PSI 15.2 gr / 9,400 PSI 15.5 gr / 8,600 PSI 15.2 gr / 9,100 PSI 15.0 gr / 10,200 PSI 15.0 gr / 10,200 PSI	15.8 gr / 11,400 PSI 16.5 gr / 10,500 PSI 16.0 gr / 10,800 PSI 15.8 gr / 11,300 PSI 15.8 gr / 11,100 PSI 16.0 gr / 11,100 PSI 16.5 gr / 9,700 PSI 16.3 gr / 10,700 PSI 16.3 gr / 10,500 PSI 16.0 gr / 11,500 PSI 16.0 gr / 11,000 PSI 16.0 gr / 11,000 PSI 16.0 gr / 10,000 PSI 16.7 gr / 10,000 PSI 16.5 gr / 10,100 PSI 16.5 gr / 10,100 PSI 16.0 gr / 11,000 PSI 16.1 gr / 10,900 PSI	17.8 gr / 11,100 PSI		
3 oz	Titewad	Ched. 209 Ched. 209 Ched. 209 CCI 209 CCI 209SC CCI 209SC Fed. 209A Fed. 209A Fed. 209A Fio. 616 Fio. 616 Fio. 616 Rem. 209P Rem. 209P Rem. 209P Rem. 209P Rem. 209P	WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Fio. TL1 Rem. Fig. 8 WAA12 Red PC Rem. Fig. 8 WAA12 Red PC Rem. Fig. 8 Trapper WAA12 Windjammer	15.0 gr / 10,400 PSI 15.5 gr / 9,400 PSI 15.5 gr / 10,200 PSI 15.0 gr / 10,600 PSI 15.0 gr / 10,100 PSI 15.0 gr / 10,000 PSI 15.5 gr / 9,200 PSI 15.2 gr / 9,600 PSI 15.2 gr / 9,800 PSI 15.3 gr / 9,000 PSI 15.0 gr / 10,700 PSI 15.0 gr / 10,700 PSI 15.0 gr / 10,700 PSI 15.5 gr / 9,400 PSI 15.5 gr / 9,700 PSI 15.1 gr / 9,700 PSI 15.1 gr / 9,700 PSI 15.3 gr / 9,000 PSI	15.8 gr / 11,400 PSI 16.5 gr / 10,500 PSI 16.0 gr / 10,800 PSI 15.8 gr / 11,300 PSI 15.8 gr / 11,100 PSI 16.0 gr / 11,100 PSI 16.5 gr / 9,700 PSI 16.3 gr / 10,700 PSI 16.3 gr / 10,500 PSI 16.0 gr / 11,500 PSI 16.0 gr / 11,000 PSI 16.0 gr / 11,000 PSI 16.0 gr / 10,000 PSI 16.7 gr / 10,000 PSI 16.5 gr / 10,100 PSI 16.5 gr / 10,100 PSI 16.1 gr / 10,900 PSI 16.1 gr / 10,900 PSI	17.8 gr / 11,100 PSI		
3 oz	Titewad	Ched. 209 Ched. 209 Ched. 209 CCI 209 CCI 209SC CCI 209SC Fed. 209A Fed. 209A Fed. 209A Fio. 616 Fio. 616 Fio. 616 Rem. 209P Rem. 209P Rem. 209P Rem. 209P Rem. 209P Rem. 209P	WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Fio. TL1 Rem. Fig. 8 WAA12 Red PC Rem. Fig. 8 WAA12 Red PC Rem. Fig. 8 Trapper WAA12 Windjammer Fed. 12S3	15.0 gr / 10,400 PSI 15.5 gr / 9,400 PSI 15.5 gr / 10,200 PSI 15.0 gr / 10,600 PSI 15.0 gr / 10,100 PSI 15.0 gr / 10,000 PSI 15.5 gr / 9,200 PSI 15.2 gr / 9,600 PSI 15.2 gr / 9,000 PSI 15.3 gr / 9,000 PSI 15.0 gr / 10,700 PSI 15.0 gr / 10,700 PSI 15.0 gr / 10,700 PSI 15.5 gr / 9,400 PSI 15.5 gr / 9,400 PSI 15.5 gr / 9,100 PSI 15.2 gr / 9,100 PSI 15.3 gr / 9,000 PSI	15.8 gr / 11,400 PSI 16.5 gr / 10,500 PSI 16.0 gr / 10,800 PSI 15.8 gr / 11,300 PSI 15.8 gr / 11,100 PSI 16.0 gr / 11,100 PSI 16.5 gr / 9,700 PSI 16.3 gr / 10,700 PSI 16.3 gr / 10,500 PSI 16.0 gr / 11,500 PSI 16.0 gr / 11,000 PSI 16.0 gr / 11,000 PSI 16.0 gr / 10,000 PSI 16.7 gr / 10,000 PSI 16.5 gr / 10,100 PSI 16.5 gr / 10,100 PSI 16.1 gr / 10,900 PSI 16.5 gr / 10,900 PSI 16.5 gr / 10,900 PSI 16.5 gr / 10,900 PSI	17.8 gr / 11,100 PSI		
3 oz	Titewad	Ched. 209 Ched. 209 Ched. 209 CCI 209 CCI 209 CCI 209SC CCI 209SC Fed. 209A Fed. 209A Fed. 209A Fio. 616 Fio. 616 Fio. 616 Rem. 209P Rem. 209P Rem. 209P Rem. 209P Win. 209 Win. 209	WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Fio. TL1 Rem. Fig. 8 WAA12 Red PC Rem. Fig. 8 WAA12 Red PC Rem. Fig 8 Trapper WAA12 Windjammer Fed. 12S3 Hawk	15.0 gr / 10,400 PSI 15.5 gr / 9,400 PSI 15.5 gr / 10,200 PSI 15.0 gr / 10,600 PSI 15.0 gr / 10,100 PSI 15.0 gr / 10,000 PSI 15.5 gr / 9,200 PSI 15.2 gr / 9,600 PSI 15.2 gr / 9,000 PSI 15.3 gr / 9,000 PSI 15.0 gr / 10,700 PSI 15.0 gr / 10,700 PSI 15.0 gr / 10,700 PSI 15.5 gr / 9,400 PSI 15.5 gr / 9,400 PSI 15.5 gr / 9,700 PSI 15.2 gr / 9,700 PSI 15.3 gr / 9,000 PSI 15.3 gr / 9,000 PSI 15.3 gr / 9,000 PSI	15.8 gr / 11,400 PSI 16.5 gr / 10,500 PSI 16.0 gr / 10,800 PSI 15.8 gr / 11,300 PSI 15.8 gr / 11,100 PSI 16.0 gr / 11,100 PSI 16.5 gr / 9,700 PSI 16.3 gr / 10,700 PSI 16.3 gr / 10,500 PSI 16.0 gr / 11,500 PSI 16.0 gr / 11,000 PSI 16.0 gr / 11,000 PSI 16.0 gr / 10,000 PSI 16.5 gr / 10,000 PSI 16.5 gr / 10,000 PSI 16.5 gr / 10,100 PSI 16.5 gr / 10,000 PSI	17.8 gr / 11,100 PSI		
OZ	Titewad	Ched. 209 Ched. 209 Ched. 209 CCI 209 CCI 209 CCI 209SC CCI 209SC Fed. 209A Fed. 209A Fed. 209A Fio. 616 Fio. 616 Fio. 616 Rem. 209P Rem. 209P Rem. 209P Rem. 209P Win. 209 Win. 209 Win. 209	WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Red PC Rem. Fig. 8 WAA12 Windjammer Fio. TL1 Rem. Fig. 8 WAA12 Red PC Rem. Fig 8 Trapper WAA12 Windjammer Fed. 12S3 Hawk Red PC	15.0 gr / 10,400 PSI 15.5 gr / 9,400 PSI 15.5 gr / 10,200 PSI 15.0 gr / 10,600 PSI 15.0 gr / 10,100 PSI 15.0 gr / 10,000 PSI 15.0 gr / 10,000 PSI 15.5 gr / 9,000 PSI 15.2 gr / 9,600 PSI 15.2 gr / 9,000 PSI 15.3 gr / 9,000 PSI 15.0 gr / 10,700 PSI 15.0 gr / 10,700 PSI 15.5 gr / 9,400 PSI 15.5 gr / 9,400 PSI 15.5 gr / 9,000 PSI 15.5 gr / 9,000 PSI 15.5 gr / 9,000 PSI 15.3 gr / 9,000 PSI 15.2 gr / 9,000 PSI	15.8 gr / 11,400 PSI 16.5 gr / 10,500 PSI 16.0 gr / 10,800 PSI 15.8 gr / 11,300 PSI 15.8 gr / 11,100 PSI 16.0 gr / 11,100 PSI 16.5 gr / 9,700 PSI 16.3 gr / 10,700 PSI 16.3 gr / 10,500 PSI 16.0 gr / 11,500 PSI 16.0 gr / 11,000 PSI 16.0 gr / 11,000 PSI 16.0 gr / 11,000 PSI 16.5 gr / 10,200 PSI 16.5 gr / 10,100 PSI 16.5 gr / 10,100 PSI 16.5 gr / 10,000 PSI 17.0 gr / 10,000 PSI			



			1090 fps	1145 fps	1200 fps	1255 fj
Titewad	Win. 209	Windjammer	16.1 gr / 9,100 PSI	17.2 gr / 10,400 PSI	18.5 gr / 11,500 PSI	_
Clays	Ched. 209	Rem. Fig. 8	16.0 gr / 9,100 PSI	17.2 gr / 10,400 PSI	_	_
Clays	Ched. 209	WAA12	15.5 gr / 9,500 PSI	16.4 gr / 10,600 PSI	_	_
Clays	Ched. 209	Windjammer	15.7 gr / 8,100 PSI	17.0 gr / 9,500 PSI	18.3 gr / 10,800 PSI	_
Clays	CCI 209	Red PC	16.0 gr / 8,400 PSI	17.4 gr / 9,800 PSI	18.8 gr / 11,300 PSI	_
Clays	CCI 209	Rem. Fig. 8	16.8 gr / 7,400 PSI	18.0 gr / 9,300 PSI	19.3 gr / 11,400 PSI	_
Clays	CCI 209	WAA12	15.9 gr / 8,500 PSI	17.2 gr / 10,300 PSI	18.2 gr / 11,500 PSI	_
Clays	CCI 209	Windjammer	16.6 gr / 6,400 LUP	18.0 gr / 7,500 LUP	19.4 gr / 8,600 LUP	_
Clays	CCI 209SC	Red PC	15.7 gr / 8,700 PSI	17.0 gr / 10,100 PSI	18.4 gr / 11,500 PSI	_
Clays	CCI 209SC	Rem. Fig. 8	16.0 gr / 6,600 PSI	17.0 gr / 8,100 PSI	18.0 gr / 8,800 PSI	_
Clays	CCI 209SC	WAA12	16.0 gr / 9,300 PSI	17.0 gr / 10,900 PSI	_	_
Clays	CCI 209SC	Windjammer	_	17.6 gr /9,900 PSI	18.5 gr / 11,500 PSI	_
Clays	Fed. 209A	Red PC	15.8 gr / 8,900 PSI	16.6 gr / 10,200 PSI	18.0 gr / 11,300 PSI	_
Clays	Fed. 209A	Rem. Fig. 8	15.8 gr / 9,500 PSI	16.9 gr / 10,700 PSI	_	_
Clays	Fed. 209A	WAA12	15.5 gr / 9,900 PSI	16.6 gr / 11,200 PSI	_	
Clays	Fed. 209A	Windjammer	16.2 gr / 8,500 PSI	17.3 gr / 10,000 PSI	18.4 gr / 11,400 PSI	
Clays	Fio. 616	Rem. Fig. 8	15.8 gr / 8,600 PSI	17.0 gr / 10,500 PSI		
Clays	Fio. 616	WAA12	15.8 gr / 9,100 PSI	16.8 gr / 10,600 PSI	_	_
Clays	Fio. 616	Windjammer	15.9 gr / 8,100 PSI	17.2 gr / 9,500 PSI	18.4 gr / 10,800 PSI	
Clays	Rem. 209P	Hawk	15.5 gr / 9,000 PSI	16.5 gr / 10,600 PSI	—	
Clays	Rem. 209P	Red PC	16.5 gr / 8,200 PSI	17.7 gr / 9,900 PSI	18.8 gr / 11,500 PSI	
Clays	Rem. 209P	Rem. Fig 8	16.9 gr / 6,900 LUP	18.0 gr / 7,900 LUP	19.2 gr / 9,000 LUP	
Clays	Rem. 209P	Trapper	15.9 gr / 9,400 PSI	17.0 gr / 11,200 PSI	17.2 gi 7 7,000 E01	
Clays	Rem. 209P	WAA12	16.6 gr / 7,700 LUP	17.7 gr / 9,000 LUP	18.8 gr / 10,300 LUP	
Clays	Rem. 209P	Windjammer	16.3 gr / 8,100 PSI	17.5 gr / 9,500 PSI	18.8 gr / 11,100 PSI	
	Win. 209	,				
Clays	_	Hawk	15.8 gr / 8,600 PSI	17.2 gr / 10,000 PSI	18.6 gr / 11,500 PSI	
Clays	Win. 209	Hor Versalite	15.8 gr / 7,600 LUP	17.2 gr / 9,100 LUP	18.6 gr / 10,500 LUP	
Clays	Win. 209	Lage Uniwad	16.6 gr / 8,800 PSI	17.7 gr / 10,300 PSI		
Clays	Win. 209	Red PC	16.5 gr / 7,800 PSI	17.7 gr / 9,400 PSI	19.0 gr / 11,100 PSI	
Clays	Win. 209	Rem. Fig. 8	16.4 gr / 8,400 PSI	17.5 gr / 9,700 PSI	18.6 gr / 11,000 PSI	
Clays	Win. 209	Trapper	16.2 gr / 9,200 PSI	17.3 gr / 10,500 PSI	<u> </u>	
Clays	Win. 209	WAA12	16.2 gr / 8,100 PSI	17.3 gr / 9,700 PSI	18.4 gr / 11,300 PSI	
Clays	Win. 209	Windjammer	16.8 gr / 7,700 PSI	18.1 gr / 9,100 PSI	19.4 gr / 10,500 PSI	
Internat'l	Ched. 209	Rem. Fig. 8	17.6 gr / 7,800 PSI	18.7 gr / 8,900 PSI	19.8 gr / 10,100 PSI	21.0 gr / 11,
Internat'l	Ched. 209	WAA12	17.1 gr / 8,000 PSI	18.3 gr / 9,200 PSI	19.5 gr / 10,400 PSI	
Internat'l	Ched. 209	Windjammer	17.7 gr / 7,500 PSI	18.8 gr / 8,600 PSI	19.9 gr / 9,600 PSI	21.1 gr / 10
Internat'l	CCI 209	Red PC	17.9 gr / 6,800 PSI	19.0 gr / 8,200 PSI	20.1 gr / 9,600 PSI	21.2 gr / 11
Internat'l	CCI 209	Rem. Fig. 8	17.8 gr / 7,400 PSI	19.0 gr / 8,800 PSI	20.2 gr / 10,200 PSI	21.3 gr / 11
Internat'l	CCI 209	WAA12	17.1 gr / 7,800 PSI	18.3 gr / 8,900 PSI	19.6 gr / 10,200 PSI	20.9 gr / 11
Internat'l	CCI 209	Windjammer	19.2 gr / 6,100 LUP	19.8 gr / 6,500 LUP	21.2 gr / 7,500 LUP	22.3 gr / 8,
Internat'l	CCI 209SC	Red PC	17.6 gr / 7,800 PSI	18.9 gr / 9,100 PSI	19.8 gr / 10,000 PSI	20.8 gr / 11,
Internat'l	CCI 209SC	Rem. Fig. 8	18.0 gr / 7,200 PSI	19.0 gr / 7,900 PSI	20.3 gr / 9,300 PSI	22.0 gr /10,
Internat'l	CCI 209SC	WAA12	17.1 gr / 7,900 PSI	18.3 gr / 9,200 PSI	19.5 gr / 10,400 PSI	20.8 gr / 11
Internat'l	CCI 209SC	Windjammer	17.6 gr / 7,500 PSI	18.8 gr / 8,600 PSI	20.0 gr / 9,700 PSI	21.2 gr / 10
Internat'l	Fed. 209A	Red PC	17.1 gr / 8,100 PSI	18.3 gr / 9,200 PSI	19.5 gr / 10,300 PSI	20.6 gr / 11
Internat'l	Fed. 209A	Rem. Fig. 8	16.9 gr / 8,200 PSI	18.0 gr / 9,300 PSI	19.3 gr / 10,700 PSI	_



			N PREMIER, NITE 1090 fps	1145 fps	1200 fps	1255 fps
Internat'l	Fed. 209A	WAA12	16.7 gr / 8,300 PSI	17.9 gr / 9,600 PSI	19.1 gr / 10,800 PSI	
Internat'l	Fed. 209A	Windjammer	16.9 gr / 7,600 PSI	18.2 gr / 8,900 PSI	19.6 gr / 10,200 PSI	20.9 gr / 11,400 P
Internat'l	Fio. 616	Rem. Fig. 8	17.3 gr / 7,900 PSI	18.5 gr / 9,000 PSI	19.7 gr / 10,100 PSI	20.9 gr / 11,300 P
Internat'l	Fio. 616	WAA12	17.2 gr / 8,300 PSI	18.3 gr / 9,500 PSI	19.4 gr / 10,700 PSI	_
Internat'l	Fio. 616	Windjammer	17.3 gr / 6,900 PSI	18.7 gr / 8,400 PSI	20.0 gr / 9,800 PSI	21.4 gr / 11,200 P
Internat'l	Rem. 209P	Fed. 12S3	17.6 gr / 6,900 LUP	18.3 gr / 7,800 LUP	19.4 gr / 9,000 LUP	20.6 gr /10,200 L
Internat'l	Rem. 209P	Hawk	17.5 gr / 7,700 PSI	18.7 gr / 8,900 PSI	19.9 gr / 10,200 PSI	21.0 gr / 11,300 Ps
Internat'l	Rem. 209P	Hor. Vers.	17.2 gr / 7,700 PSI	18.4 gr / 8,900 PSI	19.6 gr / 10,100 PSI	20.8 gr / 11,300 Ps
Internat'l	Rem. 209P	Red PC	17.6 gr / 7,300 PSI	18.9 gr / 8,600 PSI	20.2 gr / 9,900 PSI	21.4 gr / 11,100 P
Internat'l	Rem. 209P	Rem. Fig. 8	18.6 gr / 6,400 LUP	19.6 gr / 7,000 LUP	20.9 gr / 7,500 LUP	21.7 gr / 9,100 L
Internat'l	Rem. 209P	Trapper	17.3 gr / 8,400 PSI	18.4 gr / 9,200 PSI	19.8 gr / 10,300 PSI	21.2 gr / 11,400 P
Internat'l	Rem. 209P	WAA12	18.3 gr / 7,000 LUP	18.8 gr / 7,600 LUP	19.7 gr / 8,700 LUP	20.9 gr /10,400 L
Internat'l	Rem. 209P	Windjammer	_	19.2 gr /8,400 PSI	20.3 gr / 9,400 PSI	21.5 gr / 10,500P
Internat'l	Win. 209	Hawk	17.7 gr / 7,700 PSI	18.9 gr / 9,000 PSI	20.0 gr / 10,200 PSI	21.5 gr / 11,500 P
Internat'l	Win. 209	Hor. Versalite	17.8 gr / 6,900 LUP	18.4 gr / 7,800 LUP	19.5 gr / 9,100 LUP	20.6 gr /10,400 L
Internat'l	Win. 209	Lage Uniwad	17.7 gr / 7,400 PSI	19.0 gr / 8,600 PSI	20.3 gr / 9,900 PSI	21.6 gr / 11,100 P
Internat'l	Win. 209	Red PC	17.7 gr / 7,600 PSI	19.0 gr / 8,600 PSI	20.3 gr / 9,600 PSI	21.5 gr / 10,500P
Internat'l	Win. 209	Rem. Fig. 8	17.5 gr / 7,900 PSI	18.6 gr / 9,000 PSI	19.7 gr / 10,200 PSI	20.8 gr / 11,300 P
Internat'l	Win. 209	Trapper	17.0 gr / 7,900 PSI	18.5 gr / 9,100 PSI	19.9 gr / 10,100 PSI	21.3 gr / 11,500 P
Internat'l	Win. 209	WAA12	17.0 gr / 7,100 PSI	18.4 gr / 8,600 PSI	19.8 gr / 10,100 PSI	21.1 gr / 11,500 P
Internat'l	Win. 209	Windjammer	19.4 gr / 8,200 PSI	20.1 gr / 8,900 PSI	22.1 gr / 10,300 PSI	_
			1090 fps	1145 fps	1200 fps	1255 fps
Titegroup	Rem. 209P	Rem. Fig. 8	14.9 gr / 8,200 PSI	16.0 gr / 9,100 PSI	17.1 gr / 10,000 PSI	18.5 gr / 11,500 P
Titegroup	Rem. 209P	WAA12	14.9 gr / 8,000 PSI	15.8 gr / 9,200 PSI	16.7 gr / 10,300 PSI	
Titegroup	Win. 209	Rem. Fig. 8	15.1 gr / 8,000 PSI	16.1 gr / 8,900 PSI	17.1 gr / 9,900 PSI	_
Titegroup	Win. 209	WAA12	14.7 gr / 8,300 PSI	15.8 gr / 9,400 PSI	16.8 gr / 10,500 PSI	_
			1200 fps	1255 fps	1310 fps	
Universal	CCI 209	Windjammer	23.2 gr / 8,400 PSI	24.4 gr / 9,100 PSI	25.7 gr / 10,200 PSI	
Universal	Fed. 209A	Fed. 12S3	21.7 gr / 10,200 PSI	22.7 gr / 11,000 PSI		
Universal	Win. 209	Rem. Fig. 8	22.5 gr / 8,900 PSI	23.7 gr / 9,900 PSI	25.0 gr / 10,800 PSI	
Universal	Win. 209	WAA12	21.5 gr / 9,800 PSI	23.0 gr / 10,700 PSI		
-					1520 fma	1EOE foo
Longshot	CCI 209M	Fed. 12S3	1420 fps 30.6 gr / 10,000 PSI	1475 fps 31.9 gr / 11,000 PSI	1530 fps	1585 fps
Longshot	CCI 209M	Hor. Vers.	31.7 gr / 9,000 PSI	32.9 gr / 9,900 PSI	34.1 gr / 10,900 PSI	
Longshot	CCI 209M	Rem. R12L	31.0 gr / 9,600 PSI	32.7 gr / 10,400 PSI	34.5 gr / 11,400 PSI	
Longshot	CCI 209M	WAA12	30.9 gr / 9,800 PSI	32.3 gr / 10,600 PSI	33.6 gr / 11,400 PSI	
Longshot	CCI 209M	Windjammer	31.7 gr / 9,000 PSI		34.8 gr / 10,600 PSI	36.4 gr / 11,500 P
Longshot	Fed. 209A	Fed. 12S3	29.4 gr / 10,700 PSI	33.3 gr / 9,800 PSI	34.6 gi / 10,000 F31	30.4 gi / 11,500 F
Longshot	Fed. 209A	Rem. R12L	29.8 gr / 10,200 PSI	31.1 gr / 11,600 PSI 31.2 gr / 11,100 PSI		
			<u> </u>	31.2 gi / 11,100 F31		
Longshot		WAA12	29.4 gr / 10,900 PSI	22.1 or / 10.200 DCI	22 6 gr / 11 200 DCI	
Longshot	Fed. 209A	Windjammer	30.6 gr / 9,300 PSI	32.1 gr / 10,300 PSI	33.6 gr / 11,300 PSI	
Longshot	Rem. 209P	Hor. Vers.	31.0 gr / 9,100 PSI	32.4 gr / 10,000 PSI	33.7 gr / 10,900 PSI	
	Rem. 209P	Rem. R12L	31.1 gr / 9,400 PSI	32.5 gr / 10,400 PSI 31.7 gr / 10,400 PSI	33.9 gr / 11,400 PSI 32.7 gr / 11,500 PSI	
Longshot						
Longshot Longshot	Rem. 209P Rem. 209P	WAA12 Windjammer	30.6 gr / 9,300 PSI 32.0 gr / 8,600 PSI	33.5 gr / 9,700 PSI	35.0 gr / 10,900 PSI	



**POWDER** PRIMER WAD CHARGE/PRESSURE 2 3/4", REMINGTON PREMIER, NITRO 27 AND STS PLASTIC SHELLS CONT. 1420 fps 1475 fps 1530 fps 1585 fps 1 1/8 oz Longshot Win. 209 Fed. 12S3 31.9 gr / 8,500 PSI 33.0 gr / 9,800 PSI 34.2 gr / 11,100 PSI Rem. R12L 1 1/8 oz Longshot Win. 209 31.5 gr / 8,800 PSI 32.0 gr / 10,100 PSI 34.5 gr / 11,400 PSI 1 1/8 oz Longshot Win. 209 WAA12 31.7 gr / 9,100 PSI 32.8 gr / 10,100 PSI 33.5 gr / 11,200 PSI 1 1/8 oz Longshot Win. 209 Windjammer 33.4 gr / 7,700 PSI 34.3 gr / 8,800 PSI 35.3 gr / 10,000 PSI 36.3 gr / 11,100 PSI 1330 fps 1220 fps 1 1/4 oz Universal CCI 209 Rem. SP12 23.7 gr / 9,200 PSI 1 1/4 oz Universal CCI 209 WAA12F114 23.1 gr / 10,800 PSI 1 1/4 oz Universal CCI 209M Rem. SP12 23.5 gr / 10,800 PSI CCI 209M WAA12F114 1 1/4 oz Universal 23.0 gr / 11,300 PSI 1 1/4 07 Universal Fed. 209A Rem. SP12 22.5 gr / 11,300 PSI 1 1/4 oz Universal Rem.209P Rem. SP12 24.0 gr / 9,600 PSI Universal Rem. 209P WAA12F114 1 1/4 oz 23.7 gr / 10,600 PSI 1 1/4 07 Universal Win. 209 Rem. SP12 24.0 gr / 10,000 PSI 23.5 gr / 10,900 PSI 1 1/4 oz Universal WAA12F114 Win. 209 HS-6 1 1/4 oz Win. 209 WAA12F114 32.0 gr / 9,200 LUP 34.0 gr / 10,400 LUP 1 1/4 oz HS-6 Rem. R12H 32.0 gr / 9,100 LUP 34.0 gr / 10,200 LUP Win. 209 1330 fps 1385 fps 1440 fps 1495 fps 1 1/4 oz Longshot CCI 209M Fed. 12S4 27.0 gr / 11,400 PSI Rem. R12L 28.7 gr / 11,500 PSI 1 1/4 07 Longshot CCI 209M 27.7 gr / 10,600 PSI 1 1/4 oz Longshot CCI 209M WAA12F114 26.4 gr / 11,500 PSI 1 1/4 oz Longshot Fed. 209A Fed. 12S4 27.0 gr / 11,500 PSI Longshot 1 1/4 oz Fed. 209A Rem. R12L 27.5 gr / 10,600 PSI Longshot Fed. 209A WAA12F114 27.3 gr / 11,400 PSI 1 1/4 07 1 1/4 oz Longshot Rem. 209P Fed. 12S4 27.4 gr / 10,900 PSI 1 1/4 oz Longshot Rem. 209P Rem. R12L 28.5 gr / 9,900 PSI 29.9 gr / 10,700 PSI 1 1/4 oz Longshot Rem. 209P WAA12F114 27.1 gr / 10,600 PSI 28.2 gr / 11,500 PSI 29.6 gr / 11,100 PSI 1 1/4 oz Longshot Win. 209 Fed. 12S4 28.3 gr / 9,900 PSI 30.2 gr / 10,300 PSI 1 1/4 oz Longshot Win. 209 Rem. R12I 28.5 gr / 9,300 PSI 31.8 gr / 11,200 PSI 1 1/4 oz Longshot Win. 209 WAA12F114 28.2 gr / 9,100 PSI 30.1 gr / 10,400 PSI 1285 fps 1 3/8 oz HS-7 Win. 209 WAA12R 38.5 gr / 9,900 LUP 1 3/8 oz HS-7 Win. 209 Rem. R12H 38.0 gr / 10,100 LUP 1260 fps 1 1/2 07 HS-7 Fed. 209 Rem. R12H 36.0 gr / 10,600 LUP 35.5 gr / 10,300 LUP 1 1/2 oz HS-7 Win. 209 WAA12R 1260 fps 1205 fps 1 1/2 oz Longshot Rem. 209P Rem. RP12 25.0 gr / 11,500 PSI 1 1/2 oz Longshot Rem. 209P WAA12R 24.8 gr / 11,000 PSI 1 1/2 oz Longshot Win. 209 Rem. RP12 25.6 gr / 10,400 PSI 1 1/2 oz Longshot Win. 209 WAA12R 26.1 gr / 10,500 PSI 27.0 gr / 11,300 PSI 2 3/4", WINCHESTER COMPRESSION-FORMED AA TYPE SHELLS 12 GA., 1350 fps 1400 fps 1250 fps 1300 fps CCI 209SC Rem. TGT 12 17.7 gr / 7,800 PSI 21.0 gr /10,200 PSI 7/8 oz Titewad 18.8 gr / 8,900 PSI 19.8 gr / 9,600 PSI 7/8 07 Titewad CCI 209SC WAA12L 17.3 gr / 8,800 PSI 18.2 gr / 10,100 PSI 19.8 gr / 11,300 PSI 7/8 oz 18.8 gr / 9,100 PSI 19.8 gr / 10,700 PSI Titewad Fed. 209A WAA12L 17.8 gr / 8,600 PSI



	120	A 22/1	" WINCHES	TER COMPRESS	SIONI EODIMED V	A TVDE CLIELL C	CONT
	120	3A., Z 3/4	, WINCHES	1250 fps	1300 fps	1350 fps	1400 fps
7/8 oz	Titewad	Rem. 209P	Fed. 12S0	17.4 gr / 9,200 PSI	18.6 gr / 10,100 PSI	19.4 gr / 11,300 PSI	1400 ip3
7/8 oz	Titewad	Fig. 616	Rem. TGT 12	17.5 gr / 8,100 PSI	19.2 gr / 8,900 PSI	20.1 gr / 9,800 PSI	21.3 gr /10,500 PS
7/8 oz	Titewad	Rem. 209P	Rem.TGT12	17.2 gr / 8,300 PSI	18.2 gr / 9,400 PSI	19.5 gr / 10,300 PSI	
7/8 07	Titewad	Rem. 209P	WAA12L	18.0 gr / 8,500 PSI	19.0 gr / 9,100 PSI	19.9 gr / 10,000 PSI	
7/8 oz	Titewad	Win. 209	Fed. 12S0	17.3 gr / 9,300 PSI	18.5 gr / 10,400 PSI	19.5 gr / 11,300 PSI	
7/8 oz	Titewad	Win. 209	Rem.TGT12	17.1 gr / 9,300 PSI	18.1 gr / 9,900 PSI	19.5 gr / 10,800 PSI	
7/8 oz	Titewad	Win. 209	WAA12L	17.8 gr / 8,600 PSI	19.1 gr / 9,500 PSI	20.2 gr / 10,300 PSI	21.4 gr / 10,800 PS
770 02	Titewau	WIII. 207	WANTEL				
7/0	Clava	001.20014	D TOT 12	1200 fps	1250 fps	1300 fps	1350 fps
7/8 oz	Clays	CCI 209M	Rem. TGT 12	16.5 gr / 7,100 PSI	17.5 gr / 7,800 PSI	18.5 gr / 8,900 PSI	
7/8 oz	Clays	CCI 209M	WAA12L	15.8 gr / 7,500 PSI	17.1 gr / 9,200 PSI	18.0 gr / 10,600 PSI	
7/8 oz	Clays	CCI 209SC	Rem. TGT 12	16.3 gr / 6,500 PSI	17.6 gr / 7,100 PSI	18.7 gr / 7,800 PSI	<del>_</del>
7/8 oz	Clays	CCI 209SC	WAA12L	16.0 gr / 7,600 PSI	17.4 gr / 9,500 PSI	18.3 gr / 10,500 PSI	_
7/8 oz	Clays	Fed. 209A	Fed. 12S0	16.0 gr / 8,800 PSI	17.4 gr / 9,400 PSI	18.3 gr / 11,300 PSI	
7/8 oz	Clays	Fed. 209A	Rem.TGT12	16.0 gr / 6,900 PSI	17.2 gr / 9,300 PSI	18.5 gr / 9,900 PSI	19.5 gr / 11,400 PS
7/8 oz	Clays	Fed. 209A	WAA12L	_	18.0 gr / 8,400 PSI	19.1 gr / 9,300 PSI	20.5 gr / 10,800 PS
7/8 oz	Clays	Fed. 209A	WAA12SL	_	18.0 gr / 8,500 PSI	19.0 gr / 9,700 PSI	_
7/8 oz	Clays	Rem. 209P	Fed. 12S0	16.8 gr / 7,100 PSI	18.0 gr / 8,600 PSI	19.0 gr / 9,200 PSI	
7/8 oz	Clays	Rem. 209P	Rem. TGT 12	18.2 gr / 6,000 LUP	18.9 gr / 6,800 LUP		
7/8 oz	Clays	Rem. 209P	WAA12L	16.8 gr / 6,800 PSI	18.1 gr / 7,500 PSI	19.1 gr / 8,600 PSI	20.5 gr / 10,700PS
7/8 oz	Clays	Win. 209	Fed. 12S0	17.1 gr / 7,400 PSI	18.0 gr / 8,000 PSI	20.0 gr / 10,700 PSI	_
7/8 oz	Clays	Win. 209	Rem.TGT12	15.8 gr / 7,100 PSI	17.4 gr / 8,000 PSI	18.4 gr / 9,000 PSI	19.4 gr / 11,300 PS
7/8 oz	Clays	Win. 209	WAA12SL	16.9 gr / 7,100 LUP	18.1 gr / 7,400 LUP	19.7 gr / 8,400 LUP	_
7/8 oz	Clays	Win. 209	WAA12L	_	18.3 gr / 8,300 PSI	19.2 gr / 9,400 PSI	20.5 gr / 10,000 PS
				1250 fps	1300 fps	1350 fps	1400 fps
7/8 oz	Internat'l	CCI 209M	Rem.TGT12	19.0 gr / 7,400 PSI	20.0 gr / 8,900 PSI	20.8 gr / 8,900 PSI	22.0 gr / 10,400PS
7/8 oz	Internat'l	CCI 209M	WAA12L	18.8 gr / 7,600 PSI	20.0 gr / 8,000 PSI	21.0 gr / 9,500 PSI	22.4 gr / 10,500PS
7/0 0-							
7/8 oz	Internat'l	CCI 209M	Fed. 12S0	19.0 gr / 8,200 PSI	20.0 gr / 9,100 PSI	21.0 gr / 10,200 PSI	22.0 gr / 11,000 PS
7/8 oz 7/8 oz	Internat'l	_	Fed. 12S0 Rem.TGT12	19.0 gr / 8,200 PSI 19.0 gr / 7,800 PSI	20.0 gr / 9,100 PSI 19.8 gr / 8,200 PSI	21.0 gr / 10,200 PSI 20.8 gr / 9,400 PSI	
		CCI 209M		, .	<u> </u>	<u> </u>	21.5 gr / 10,300PS
7/8 oz	Internat'l	CCI 209M CCI 209SC	Rem.TGT12	19.0 gr / 7,800 PSI	19.8 gr / 8,200 PSI	20.8 gr / 9,400 PSI	21.5 gr / 10,300PS 22.2 gr / 10,800PS
7/8 oz 7/8 oz	Internat'l	CCI 209M CCI 209SC CCI 209SC	Rem.TGT12 WAA12L	19.0 gr / 7,800 PSI 19.2 gr / 8,100 PSI	19.8 gr / 8,200 PSI 20.2 gr / 8,700 PSI	20.8 gr / 9,400 PSI 21.2 gr / 9,500 PSI	21.5 gr / 10,300PS 22.2 gr / 10,800PS 22.8 gr / 9,300 PS
7/8 oz 7/8 oz 7/8 oz	Internat'i Internat'i Internat'i	CCI 209M CCI 209SC CCI 209SC Ched. 209	Rem.TGT12 WAA12L WAA12L	19.0 gr / 7,800 PSI 19.2 gr / 8,100 PSI 20.0 gr / 7,000 PSI	19.8 gr / 8,200 PSI 20.2 gr / 8,700 PSI 21.2 gr / 7,500 PSI	20.8 gr / 9,400 PSI 21.2 gr / 9,500 PSI 22.0 gr / 8,400 PSI	21.5 gr / 10,300PS 22.2 gr / 10,800PS 22.8 gr / 9,300 PS
7/8 oz 7/8 oz 7/8 oz 7/8 oz	Internat'l Internat'l Internat'l	CCI 209M CCI 209SC CCI 209SC Ched. 209 Fed. 209A	Rem.TGT12 WAA12L WAA12L Rem.TGT12	19.0 gr / 7,800 PSI 19.2 gr / 8,100 PSI 20.0 gr / 7,000 PSI 18.6 gr / 8,300 PSI	19.8 gr / 8,200 PSI 20.2 gr / 8,700 PSI 21.2 gr / 7,500 PSI 19.7 gr / 9,000 PSI	20.8 gr / 9,400 PSI 21.2 gr / 9,500 PSI 22.0 gr / 8,400 PSI 20.6 gr / 10,000 PSI	21.5 gr / 10,300PS 22.2 gr / 10,800PS 22.8 gr / 9,300 PS 22.0 gr / 10,800PS
7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz	Internat'l Internat'l Internat'l Internat'l	CCI 209M CCI 209SC CCI 209SC Ched. 209 Fed. 209A Fed. 209A	Rem.TGT12 WAA12L WAA12L Rem.TGT12 WAA12SL	19.0 gr / 7,800 PSI 19.2 gr / 8,100 PSI 20.0 gr / 7,000 PSI 18.6 gr / 8,300 PSI 20.0 gr / 7,800 PSI	19.8 gr / 8,200 PSI 20.2 gr / 8,700 PSI 21.2 gr / 7,500 PSI 19.7 gr / 9,000 PSI 21.0 gr / 8,600 PSI	20.8 gr / 9,400 PSI 21.2 gr / 9,500 PSI 22.0 gr / 8,400 PSI 20.6 gr / 10,000 PSI 22.0 gr / 9,500 PSI	21.5 gr / 10,300 PS 22.2 gr / 10,800 PS 22.8 gr / 9,300 PS 22.0 gr / 10,800 PS — 23.0 gr / 9,300 PS
7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz	Internat'l Internat'l Internat'l Internat'l Internat'l	CCI 209M CCI 209SC CCI 209SC Ched. 209 Fed. 209A Fed. 209A Rem. 209P	Rem.TGT12 WAA12L WAA12L Rem.TGT12 WAA12SL Rem.TGT12	19.0 gr/ 7,800 PSI 19.2 gr/ 8,100 PSI 20.0 gr/ 7,000 PSI 18.6 gr/ 8,300 PSI 20.0 gr/ 7,800 PSI 20.5 gr/ 6,800 PSI	19.8 gr / 8,200 PSI 20.2 gr / 8,700 PSI 21.2 gr / 7,500 PSI 19.7 gr / 9,000 PSI 21.0 gr / 8,600 PSI 21.5 gr / 7,300 PSI	20.8 gr / 9,400 PSI 21.2 gr / 9,500 PSI 22.0 gr / 8,400 PSI 20.6 gr / 10,000 PSI 22.0 gr / 9,500 PSI 22.5 gr / 8,300 PSI	21.5 gr / 10,300 PS 22.2 gr / 10,800 PS 22.8 gr / 9,300 PS 22.0 gr / 10,800 PS — 23.0 gr / 9,300 PS
7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz	Internat'l Internat'l Internat'l Internat'l Internat'l Internat'l	CCI 209M CCI 209SC CCI 209SC Ched. 209 Fed. 209A Fed. 209A Rem. 209P	Rem.TGT12 WAA12L WAA12L Rem.TGT12 WAA12SL Rem.TGT12 WAA12L	19.0 gr/ 7,800 PSI 19.2 gr/ 8,100 PSI 20.0 gr/ 7,000 PSI 18.6 gr/ 8,300 PSI 20.0 gr/ 7,800 PSI 20.5 gr/ 6,800 PSI 20.0 gr/ 7,500 PSI	19.8 gr / 8,200 PSI 20.2 gr / 8,700 PSI 21.2 gr / 7,500 PSI 19.7 gr / 9,000 PSI 21.0 gr / 8,600 PSI 21.5 gr / 7,300 PSI 20.8 gr / 8,300 PSI	20.8 gr / 9,400 PSI 21.2 gr / 9,500 PSI 22.0 gr / 8,400 PSI 20.6 gr / 10,000 PSI 22.0 gr / 9,500 PSI 22.5 gr / 8,300 PSI 22.2 gr / 8,900 PSI	21.5 gr / 10,300PS 22.2 gr / 10,800PS 22.8 gr / 9,300 PS 22.0 gr / 10,800PS — 23.0 gr / 9,300 PS 22.7 gr / 10,200PS
7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz	Internat'l Internat'l Internat'l Internat'l Internat'l Internat'l Internat'l	CCI 209M CCI 209SC CCI 209SC Ched. 209 Fed. 209A Fed. 209A Rem. 209P Win. 209	Rem.TGT12 WAA12L WAA12L Rem.TGT12 WAA12SL Rem.TGT12 WAA12L Fed. 12S0	19.0 gr/ 7,800 PSI 19.2 gr/ 8,100 PSI 20.0 gr/ 7,000 PSI 18.6 gr/ 8,300 PSI 20.0 gr/ 7,800 PSI 20.5 gr/ 6,800 PSI 20.0 gr/ 7,500 PSI 19.5 gr/ 8,100 PSI 19.2 gr/ 7,100 PSI	19.8 gr / 8,200 PSI 20.2 gr / 8,700 PSI 21.2 gr / 7,500 PSI 19.7 gr / 9,000 PSI 21.0 gr / 8,600 PSI 21.5 gr / 7,300 PSI 20.8 gr / 8,300 PSI 20.9 gr / 8,500 PSI 20.2 gr / 7,800 PSI	20.8 gr / 9,400 PSI 21.2 gr / 9,500 PSI 22.0 gr / 8,400 PSI 20.6 gr / 10,000 PSI 22.0 gr / 9,500 PSI 22.5 gr / 8,300 PSI 22.2 gr / 8,900 PSI 21.9 gr / 9,500 PSI 21.2 gr / 8,700 PSI	21.5 gr / 10,300 PS 22.2 gr / 10,800 PS 22.8 gr / 9,300 PS 22.0 gr / 10,800 PS — 23.0 gr / 9,300 PS 22.7 gr / 10,200 PS — 22.5 gr / 9,300 PS
7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz	Internat'I Internat'I Internat'I Internat'I Internat'I Internat'I Internat'I Internat'I	CCI 209M CCI 209SC CCI 209SC Ched. 209 Fed. 209A Fed. 209A Rem. 209P Win. 209 Win. 209	Rem.TGT12 WAA12L WAA12L Rem.TGT12 WAA12SL Rem.TGT12 WAA12L Fed. 12SO Rem.TGT12	19.0 gr/ 7,800 PSI 19.2 gr/ 8,100 PSI 20.0 gr/ 7,000 PSI 18.6 gr/ 8,300 PSI 20.0 gr/ 7,800 PSI 20.5 gr/ 6,800 PSI 20.0 gr/ 7,500 PSI 19.5 gr/ 8,100 PSI 19.2 gr/ 7,100 PSI 20.5 gr/ 7,900 PSI	19.8 gr / 8,200 PSI 20.2 gr / 8,700 PSI 21.2 gr / 7,500 PSI 19.7 gr / 9,000 PSI 21.0 gr / 8,600 PSI 21.5 gr / 7,300 PSI 20.8 gr / 8,500 PSI 20.2 gr / 7,800 PSI 21.0 gr / 8,600 PSI	20.8 gr / 9,400 PSI 21.2 gr / 9,500 PSI 22.0 gr / 8,400 PSI 20.6 gr / 10,000 PSI 22.0 gr / 9,500 PSI 22.5 gr / 8,300 PSI 22.2 gr / 8,900 PSI 21.9 gr / 9,500 PSI 21.2 gr / 8,700 PSI 21.5 gr / 9,100 PSI	21.5 gr / 10,300 PS 22.2 gr / 10,800 PS 22.8 gr / 9,300 PS 22.0 gr / 10,800 PS 22.0 gr / 10,800 PS 23.0 gr / 9,300 PS 22.7 gr / 10,200 PS 22.5 gr / 9,300 PS 22.5 gr / 10,200 PS
7/8 oz 7/8 oz	Internat'i Internat'i Internat'i Internat'i Internat'i Internat'i Internat'i Internat'i	CCI 209M CCI 209SC CCI 209SC Ched. 209 Fed. 209A Fed. 209A Rem. 209P Win. 209 Win. 209 Win. 209	Rem.TGT12 WAA12L WAA12L Rem.TGT12 WAA12SL Rem.TGT12 WAA12L Fed. 12S0 Rem.TGT12 WAA12SL	19.0 gr/ 7,800 PSI 19.2 gr/ 8,100 PSI 20.0 gr/ 7,000 PSI 18.6 gr/ 8,300 PSI 20.0 gr/ 7,800 PSI 20.5 gr/ 6,800 PSI 20.0 gr/ 7,500 PSI 19.2 gr/ 7,100 PSI 20.5 gr/ 7,900 PSI 1125 fps	19.8 gr / 8,200 PSI 20.2 gr / 8,700 PSI 21.2 gr / 7,500 PSI 19.7 gr / 9,000 PSI 21.0 gr / 8,600 PSI 21.5 gr / 7,300 PSI 20.8 gr / 8,500 PSI 20.2 gr / 7,800 PSI 21.0 gr / 8,600 PSI 21.0 gr / 8,600 PSI	20.8 gr / 9,400 PSI 21.2 gr / 9,500 PSI 22.0 gr / 8,400 PSI 20.6 gr / 10,000 PSI 22.0 gr / 9,500 PSI 22.5 gr / 8,300 PSI 22.2 gr / 8,900 PSI 21.9 gr / 9,500 PSI 21.2 gr / 8,700 PSI 21.5 gr / 9,100 PSI 21.5 gr / 9,100 PSI	22.0 gr / 11,000 PS 21.5 gr / 10,300 PS 22.2 gr / 10,800 PS 22.8 gr / 9,300 PS 22.0 gr / 10,800 PS 22.0 gr / 10,800 PS 22.0 gr / 10,000 PS 22.7 gr / 10,200 PS 22.5 gr / 9,300 PS 22.5 gr / 10,200 PS 22.5 gr / 10,200 PS
7/8 oz 7/8 oz	Internat'i Internat'i Internat'i Internat'i Internat'i Internat'i Internat'i Internat'i	CCI 209M CCI 209SC CCI 209SC Ched. 209 Fed. 209A Fed. 209A Rem. 209P Win. 209 Win. 209 Win. 209	Rem.TGT12 WAA12L WAA12L Rem.TGT12 WAA12SL Rem.TGT12 WAA12L Fed. 12SO Rem.TGT12 WAA12SL	19.0 gr/ 7,800 PSI 19.2 gr/ 8,100 PSI 20.0 gr/ 7,000 PSI 18.6 gr/ 8,300 PSI 20.0 gr/ 7,800 PSI 20.5 gr/ 6,800 PSI 20.0 gr/ 7,500 PSI 19.2 gr/ 7,100 PSI 20.5 gr/ 7,900 PSI 1125 fps 15.5 gr/ 7,400 PSI	19.8 gr / 8,200 PSI 20.2 gr / 8,700 PSI 21.2 gr / 7,500 PSI 19.7 gr / 9,000 PSI 21.0 gr / 8,600 PSI 20.8 gr / 8,300 PSI 20.9 gr / 8,500 PSI 20.2 gr / 7,800 PSI 21.0 gr / 8,600 PSI 1180 fps 17.0 gr / 7,700 PSI	20.8 gr / 9,400 PSI 21.2 gr / 9,500 PSI 22.0 gr / 8,400 PSI 20.6 gr / 10,000 PSI 22.0 gr / 9,500 PSI 22.5 gr / 8,300 PSI 22.2 gr / 8,900 PSI 21.9 gr / 9,500 PSI 21.2 gr / 8,700 PSI 21.5 gr / 9,100 PSI 1235 fps 18.5 gr / 9,100 PSI	21.5 gr / 10,300 PS 22.2 gr / 10,800 PS 22.8 gr / 9,300 PS 22.0 gr / 10,800 PS 22.0 gr / 10,800 PS 23.0 gr / 9,300 PS 22.7 gr / 10,200 PS 22.5 gr / 9,300 PS 22.5 gr / 10,200 PS
7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 1 oz	Internat'i	CCI 209M CCI 209SC CCI 209SC Ched. 209 Fed. 209A Fed. 209A Rem. 209P Win. 209 Win. 209 Win. 209 CCI 209SC CCI 209SC	Rem.TGT12 WAA12L WAA12L Rem.TGT12 WAA12SL Rem.TGT12 WAA12L Fed. 12SO Rem.TGT12 WAA12SL Purple PC Rem.TGT12	19.0 gr/ 7,800 PSI 19.2 gr/ 8,100 PSI 20.0 gr/ 7,000 PSI 18.6 gr/ 8,300 PSI 20.0 gr/ 7,800 PSI 20.0 gr/ 7,800 PSI 20.5 gr/ 6,800 PSI 19.5 gr/ 8,100 PSI 19.2 gr/ 7,100 PSI 20.5 gr/ 7,900 PSI 1125 fps 15.5 gr/ 7,400 PSI 15.3 gr/ 8,700 PSI	19.8 gr / 8,200 PSI 20.2 gr / 8,700 PSI 21.2 gr / 7,500 PSI 19.7 gr / 9,000 PSI 21.0 gr / 8,600 PSI 20.8 gr / 8,300 PSI 20.9 gr / 8,500 PSI 20.2 gr / 7,800 PSI 21.0 gr / 8,600 PSI 1180 fps 17.0 gr / 7,700 PSI 16.5 gr / 9,200 PSI	20.8 gr / 9,400 PSI 21.2 gr / 9,500 PSI 22.0 gr / 8,400 PSI 20.6 gr / 10,000 PSI 22.0 gr / 9,500 PSI 22.5 gr / 8,300 PSI 22.2 gr / 8,900 PSI 21.9 gr / 9,500 PSI 21.2 gr / 8,700 PSI 21.5 gr / 9,100 PSI 1235 fps 18.5 gr / 9,100 PSI 17.6 gr / 10,900 PSI	21.5 gr / 10,300 PS 22.2 gr / 10,800 PS 22.8 gr / 9,300 PS 22.0 gr / 10,800 PS 22.0 gr / 10,800 PS 23.0 gr / 9,300 PS 22.7 gr / 10,200 PS 22.5 gr / 9,300 PS 22.5 gr / 10,200 PS
7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 1 oz 1 oz	Internat'i Ittewad Titewad Titewad	CCI 209M CCI 209SC CCI 209SC Ched. 209 Fed. 209A Fed. 209A Rem. 209P Win. 209 Win. 209 Win. 209 CCI 209SC CCI 209SC CCI 209SC	Rem.TGT12 WAA12L WAA12L Rem.TGT12 WAA12SL Rem.TGT12 WAA12L Fed. 12S0 Rem.TGT12 WAA12SL  Purple PC Rem.TGT12 WAA12SL	19.0 gr/ 7,800 PSI 19.2 gr/ 8,100 PSI 20.0 gr/ 7,000 PSI 18.6 gr/ 8,300 PSI 20.0 gr/ 7,800 PSI 20.5 gr/ 6,800 PSI 20.5 gr/ 7,500 PSI 19.2 gr/ 7,100 PSI 19.2 gr/ 7,100 PSI 20.5 gr/ 7,400 PSI 1125 fps 15.5 gr/ 7,400 PSI 15.3 gr/ 8,700 PSI	19.8 gr / 8,200 PSI 20.2 gr / 8,700 PSI 21.2 gr / 7,500 PSI 19.7 gr / 9,000 PSI 21.0 gr / 8,600 PSI 20.8 gr / 8,300 PSI 20.9 gr / 8,500 PSI 20.2 gr / 7,800 PSI 21.0 gr / 8,600 PSI 1180 fps 17.0 gr / 7,700 PSI 16.5 gr / 9,200 PSI	20.8 gr / 9,400 PSI 21.2 gr / 9,500 PSI 22.0 gr / 8,400 PSI 20.6 gr / 10,000 PSI 22.0 gr / 9,500 PSI 22.5 gr / 8,300 PSI 22.2 gr / 8,900 PSI 21.9 gr / 9,500 PSI 21.2 gr / 8,700 PSI 21.5 gr / 9,100 PSI 1235 fps 18.5 gr / 9,100 PSI 17.6 gr / 10,900 PSI 17.7 gr / 10,400 PSI	21.5 gr / 10,300 PS 22.2 gr / 10,800 PS 22.8 gr / 9,300 PS 22.0 gr / 10,800 PS 22.0 gr / 10,800 PS 22.7 gr / 10,200 PS 22.5 gr / 9,300 PS 22.5 gr / 10,200 PS 20.0 gr / 10,200 PS
7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 1 oz 1 oz 1 oz	Internat'i Itiewad Itiewad Itiewad Itiewad	CCI 209M CCI 209SC CCI 209SC Ched. 209 Fed. 209A Fed. 209P Rem. 209P Win. 209 Win. 209 Win. 209 CCI 209SC CCI 209SC CCI 209SC Fed. 209A	Rem.TGT12 WAA12L WAA12L Rem.TGT12 WAA12SL Rem.TGT12 WAA12L Fed. 12S0 Rem.TGT12 WAA12SL Purple PC Rem.TGT12 WAA12SL Rem.TGT12 WAA12SL Rem.TGT12 Rem.TGT12 Rem.TGT12	19.0 gr/ 7,800 PSI 19.2 gr/ 8,100 PSI 20.0 gr/ 7,000 PSI 18.6 gr/ 8,300 PSI 20.0 gr/ 7,800 PSI 20.0 gr/ 7,800 PSI 20.5 gr/ 6,800 PSI 19.5 gr/ 8,100 PSI 19.2 gr/ 7,100 PSI 20.5 gr/ 7,900 PSI 1125 fps 15.5 gr/ 7,400 PSI 15.3 gr/ 8,700 PSI 15.7 gr/ 8,000 PSI 15.7 gr/ 7,600 PSI	19.8 gr / 8,200 PSI 20.2 gr / 8,700 PSI 21.2 gr / 7,500 PSI 19.7 gr / 9,000 PSI 21.0 gr / 8,600 PSI 20.8 gr / 8,300 PSI 20.9 gr / 8,500 PSI 20.2 gr / 7,800 PSI 21.0 gr / 8,600 PSI 21.0 gr / 8,600 PSI 1180 fps 17.0 gr / 7,700 PSI 16.5 gr / 9,200 PSI 16.7 gr / 8,200 PSI 17.3 gr / 8,800 PSI	20.8 gr / 9,400 PSI 21.2 gr / 9,500 PSI 22.0 gr / 8,400 PSI 20.6 gr / 10,000 PSI 22.0 gr / 9,500 PSI 22.2 gr / 8,900 PSI 21.9 gr / 9,500 PSI 21.2 gr / 8,700 PSI 21.5 gr / 9,100 PSI 1235 fps 18.5 gr / 9,100 PSI 17.6 gr / 10,900 PSI 17.7 gr / 10,400 PSI 18.1 gr / 10,000 PSI	21.5 gr / 10,300 PS 22.2 gr / 10,800 PS 22.8 gr / 9,300 PS 22.0 gr / 10,800 PS 22.0 gr / 10,800 PS 22.7 gr / 10,200 PS 22.5 gr / 9,300 PS 22.5 gr / 10,200 PS 20.0 gr / 10,200 PS
7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 1 oz 1 oz 1 oz 1 oz	Internat'i Itewad Titewad Titewad Titewad Titewad	CCI 209M CCI 209SC CCI 209SC Ched. 209 Fed. 209A Fed. 209A Rem. 209P Win. 209 Win. 209 Win. 209 CCI 209SC CCI 209SC CCI 209SC Fed. 209A Fed. 209A	Rem.TGT12 WAA12L WAA12L Rem.TGT12 WAA12SL Rem.TGT12 WAA12SL Rem.TGT12 WAA12L Fed. 12SO Rem.TGT12 WAA12SL Purple PC Rem.TGT12 WAA12SL WAA12SL WAA12SL WAA12SL WAA12SL WAA12SL	19.0 gr/ 7,800 PSI 19.2 gr/ 8,100 PSI 20.0 gr/ 7,000 PSI 18.6 gr/ 8,300 PSI 20.0 gr/ 7,800 PSI 20.5 gr/ 6,800 PSI 20.5 gr/ 7,500 PSI 19.2 gr/ 7,100 PSI 19.2 gr/ 7,100 PSI 20.5 gr/ 7,400 PSI 1125 fps 15.5 gr/ 7,400 PSI 15.3 gr/ 8,700 PSI	19.8 gr / 8,200 PSI 20.2 gr / 8,700 PSI 21.2 gr / 7,500 PSI 19.7 gr / 9,000 PSI 21.0 gr / 8,600 PSI 21.5 gr / 7,300 PSI 20.8 gr / 8,300 PSI 20.9 gr / 8,500 PSI 20.2 gr / 7,800 PSI 21.0 gr / 8,600 PSI 1180 fps 17.0 gr / 7,700 PSI 16.5 gr / 9,200 PSI 16.7 gr / 8,200 PSI 17.3 gr / 8,800 PSI 17.3 gr / 8,800 PSI	20.8 gr / 9,400 PSI 21.2 gr / 9,500 PSI 22.0 gr / 8,400 PSI 20.6 gr / 10,000 PSI 22.0 gr / 9,500 PSI 22.2 gr / 8,900 PSI 22.2 gr / 8,900 PSI 21.2 gr / 8,700 PSI 21.2 gr / 8,700 PSI 21.5 gr / 9,100 PSI 1235 fps 18.5 gr / 9,100 PSI 17.6 gr / 10,900 PSI 17.7 gr / 10,400 PSI 18.1 gr / 10,000 PSI 18.4 gr / 9,600 PSI	21.5 gr / 10,300 PS 22.2 gr / 10,800 PS 22.8 gr / 9,300 PS 22.0 gr / 10,800 PS 22.0 gr / 10,800 PS 23.0 gr / 9,300 PS 22.7 gr / 10,200 PS 22.5 gr / 9,300 PS 22.5 gr / 10,200 PS 20.0 gr / 10,200 PS 20.1 gr / 11,200 PS 20.1 gr / 10,600 PS 20.1 gr / 10,600 PS
7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 7/8 oz 1 oz 1 oz 1 oz	Internat'i Itiewad Itiewad Itiewad Itiewad	CCI 209M CCI 209SC CCI 209SC Ched. 209 Fed. 209A Fed. 209P Rem. 209P Win. 209 Win. 209 Win. 209 CCI 209SC CCI 209SC CCI 209SC Fed. 209A	Rem.TGT12 WAA12L WAA12L Rem.TGT12 WAA12SL Rem.TGT12 WAA12L Fed. 12S0 Rem.TGT12 WAA12SL Purple PC Rem.TGT12 WAA12SL Rem.TGT12 WAA12SL Rem.TGT12 Rem.TGT12 Rem.TGT12	19.0 gr/ 7,800 PSI 19.2 gr/ 8,100 PSI 20.0 gr/ 7,000 PSI 18.6 gr/ 8,300 PSI 20.0 gr/ 7,800 PSI 20.0 gr/ 7,800 PSI 20.5 gr/ 6,800 PSI 19.5 gr/ 8,100 PSI 19.2 gr/ 7,100 PSI 20.5 gr/ 7,900 PSI 1125 fps 15.5 gr/ 7,400 PSI 15.3 gr/ 8,700 PSI 15.7 gr/ 8,000 PSI 15.7 gr/ 7,600 PSI	19.8 gr / 8,200 PSI 20.2 gr / 8,700 PSI 21.2 gr / 7,500 PSI 19.7 gr / 9,000 PSI 21.0 gr / 8,600 PSI 20.8 gr / 8,300 PSI 20.9 gr / 8,500 PSI 20.2 gr / 7,800 PSI 21.0 gr / 8,600 PSI 21.0 gr / 8,600 PSI 1180 fps 17.0 gr / 7,700 PSI 16.5 gr / 9,200 PSI 16.7 gr / 8,200 PSI 17.3 gr / 8,800 PSI	20.8 gr / 9,400 PSI 21.2 gr / 9,500 PSI 22.0 gr / 8,400 PSI 20.6 gr / 10,000 PSI 22.0 gr / 9,500 PSI 22.2 gr / 8,900 PSI 21.9 gr / 9,500 PSI 21.2 gr / 8,700 PSI 21.5 gr / 9,100 PSI 1235 fps 18.5 gr / 9,100 PSI 17.6 gr / 10,900 PSI 17.7 gr / 10,400 PSI 18.1 gr / 10,000 PSI	21.5 gr / 10,300 PS 22.2 gr / 10,800 PS 22.8 gr / 9,300 PS 22.0 gr / 10,800 PS 22.0 gr / 10,800 PS 23.0 gr / 9,300 PS 22.7 gr / 10,200 PS 22.5 gr / 9,300 PS 22.5 gr / 10,200 PS



12 G/	A., 23/4"	WINCHEST	ER COMPRESSI	ON-FORMED AA	TYPE SHELLS (	CONT.
			1125 fps	1180 fps	1235 fps	1290 fps
Titewad	Rem. 209P	Rem. TGT 12	15.9 gr / 6,900 PSI	16.8 gr / 7,800 PSI	18.4 gr / 8,900 PSI	20.2 gr /10,600 Ps
Titewad	Rem. 209P	WAA12SL	15.5 gr / 7,300 PSI	17.1 gr / 8,000 PSI	18.5 gr / 9,600 PSI	19.5 gr / 11,200 P
Titewad	Rem. 209P	Windjammer	_	17.3 gr / 7,900 PSI	18.3 gr / 9,400 PSI	19.5 gr / 9,900 P
Titewad	Win. 209	Fed. 12S0	15.6 gr / 9,000 PSI	16.8 gr / 10,300 PSI	_	_
Titewad	Win. 209	Purple PC	15.9 gr / 6,900 PSI	17.1 gr / 7,400 PSI	18.5 gr / 9,000 PSI	19.5 gr / 10,400P
Titewad	Win. 209	Rem.TGT12	15.2 gr / 8,200 PSI	16.4 gr / 9,200 PSI	17.7 gr / 10,200 PSI	19.0 gr / 11,300 P
Titewad	Win. 209	WAA12SL	15.6 gr / 8,300 PSI	16.5 gr / 9,800 PSI	18.1 gr / 10,700 PSI	_
Clays	CCI 209	Fed. 12S0	15.8 gr / 9,000 PSI	17.0 gr / 10,500 PSI	_	_
Clays	CCI 209	Purple PC	16.0 gr / 7,400 PSI	17.2 gr / 8,200 PSI	18.5 gr / 9,900 PSI	20.0 gr / 10,800F
Clays	CCI 209	Rem. TGT 12	16.6 gr / 6,700 LUP	17.7 gr / 7,700 LUP	18.7 gr / 8,500 LUP	19.8 gr / 9,500 L
Clays	CCI 209	WAA12SL	15.7 gr / 7,900 PSI	17.0 gr / 8,700 PSI	18.4 gr / 10,900 PSI	_
Clays	CCI 209	Windjammer	16.3 gr / 6,500 PSI	17.5 gr / 7,600 PSI	18.8 gr / 9,000 PSI	20.3 gr / 10,700F
Clays	CCI 209SC	Purple PC	16.6 gr / 6,000 PSI	18.0 gr / 7,100 PSI	19.3 gr / 8,400 PSI	20.8 gr / 10,700F
Clays	CCI 209SC	Rem. TGT 12	15.2 gr / 6,400 PSI	16.6 gr / 7,500 PSI	17.5 gr / 9,700 PSI	19.2 gr / 11,000 F
Clays	CCI 209SC	WAA12SL	15.8 gr / 7,500 PSI	17.0 gr / 8,300 PSI	18.5 gr / 9,800 PSI	_
Clays	CCI 209SC	Windjammer	15.7 gr / 6,800 PSI	16.7 gr / 7,400 PSI	18.0 gr / 9,200 PSI	19.5 gr / 11,200 F
Clays	Fed. 209A	Purple PC	15.5 gr / 7,400 PSI	17.3 gr / 9,200 PSI	18.5 gr / 10,400 PSI	19.8 gr / 11,100 F
Clays	Fed. 209A	Rem.TGT12	15.2 gr / 7,800 PSI	16.7 gr / 9,500 PSI	18.2 gr / 11,000 PSI	
Clays	Fed. 209A	WAA12SL	15.4 gr / 8,500 PSI	16.9 gr / 9,000 PSI	18.4 gr / 10,900 PSI	
Clays	Fed. 209A	Windjammer	15.1 gr / 7,900 PSI	16.8 gr / 9,200 PSI	18.2 gr / 11,200 PSI	
Clays	Rem. 209P	Fed. 12S0	16.0 gr / 8,200 PSI	17.4 gr / 9,400 PSI	18.7 gr / 11,400 PSI	_
Clays	Rem. 209P	Rem.TGT12	16.1 gr / 7,500 PSI	17.3 gr / 8,400 PSI	18.5 gr / 9,900 PSI	_
Clays	Rem. 209P	WAA12SL	16.2 gr / 6,500 PSI	17.4 gr / 8,000 PSI	18.6 gr / 9,200 PSI	20.4 gr / 10,600l
Clays	Win. 209	Purple PC	15.7 gr / 7,000 PSI	17.2 gr / 8,500 PSI	18.5 gr / 9,900 PSI	20.0 gr / 10,400I
Clays	Win. 209	Rem.TGT12	15.8 gr / 7,700 PSI	16.8 gr / 8,500 PSI	18.2 gr / 10,300 PSI	_
Clays	Win. 209	WAA12SL	16.0 gr / 7,400 LUP	17.2 gr / 8,300 LUP	18.5 gr / 9,200 LUP	19.8 gr / 10,200 l
					1290 fps	
			1180 fps	1235 fps 20.0 gr / 8,500 PSI	21.0 gr / 9,100 PSI	1345 fps
Internat'l	CCI 209	Purple PC	18.8 gr / 7,300 PSI			22.0 QF / TU,900F
Internat'l	_		18.8 gr / 7,300 PSI 18.0 gr / 7,400 PSI			22.0 gr / 10,900F
	CCI 209	Rem.TGT12	18.0 gr / 7,400 PSI	19.2 gr / 8,700 PSI	20.2 gr / 10,000 PSI	
Internat'l	CCI 209 CCI 209	Rem.TGT12 WAA12SL	18.0 gr/ 7,400 PSI 19.2 gr/ 6,700 LUP	19.2 gr / 8,700 PSI 20.6 gr / 7,500 LUP	20.2 gr / 10,000 PSI 22.3 gr / 8,800 LUP	_ 
Internat'l Internat'l Internat'l	CCI 209 CCI 209 CCI 209SC	Rem.TGT12 WAA12SL Purple PC	18.0 gr / 7,400 PSI 19.2 gr / 6,700 LUP 18.5 gr / 8,200 PSI	19.2 gr / 8,700 PSI 20.6 gr / 7,500 LUP 19.8 gr / 9,100 PSI	20.2 gr / 10,000 PSI 22.3 gr / 8,800 LUP 21.0 gr / 10,100 PSI	22.0 gr / 11,200 F
Internat'l Internat'l	CCI 209 CCI 209 CCI 209SC CCI 209SC	Rem.TGT12 WAA12SL Purple PC Rem.TGT12	18.0 gr / 7,400 PSI 19.2 gr / 6,700 LUP 18.5 gr / 8,200 PSI 17.8 gr / 8,700 PSI	19.2 gr / 8,700 PSI 20.6 gr / 7,500 LUP 19.8 gr / 9,100 PSI 19.3 gr / 9,700 PSI	20.2 gr / 10,000 PSI 22.3 gr / 8,800 LUP 21.0 gr / 10,100 PSI 20.3 gr / 10,400 PSI	22.0 gr / 11,200 l
Internat'l Internat'l Internat'l Internat'l	CCI 209 CCI 209 CCI 209SC CCI 209SC CCI 209SC	Rem.TGT12 WAA12SL Purple PC Rem.TGT12 WAA12SL	18.0 gr/ 7,400 PSI 19.2 gr/ 6,700 LUP 18.5 gr/ 8,200 PSI 17.8 gr/ 8,700 PSI 19.0 gr/ 7,400 PSI	19.2 gr / 8,700 PSI 20.6 gr / 7,500 LUP 19.8 gr / 9,100 PSI 19.3 gr / 9,700 PSI 20.0 gr / 8,600 PSI	20.2 gr / 10,000 PSI 22.3 gr / 8,800 LUP 21.0 gr / 10,100 PSI 20.3 gr / 10,400 PSI 21.0 gr / 10,000 PSI	22.0 gr / 11,200 l
Internat'l Internat'l Internat'l Internat'l Internat'l	CCI 209 CCI 209 CCI 209SC CCI 209SC	Rem.TGT12 WAA12SL Purple PC Rem.TGT12 WAA12SL Purple PC	18.0 gr/ 7,400 PSI 19.2 gr/ 6,700 LUP 18.5 gr/ 8,200 PSI 17.8 gr/ 8,700 PSI 19.0 gr/ 7,400 PSI 19.2 gr/ 7,000 PSI	19.2 gr / 8,700 PSI 20.6 gr / 7,500 LUP 19.8 gr / 9,100 PSI 19.3 gr / 9,700 PSI 20.0 gr / 8,600 PSI 20.6 gr / 7,900 PSI	20.2 gr / 10,000 PSI 22.3 gr / 8,800 LUP 21.0 gr / 10,100 PSI 20.3 gr / 10,400 PSI 21.0 gr / 10,000 PSI 21.7 gr / 9,600 PSI	22.0 gr / 11,200 l
Internat'l Internat'l Internat'l Internat'l Internat'l Internat'l Internat'l	CCI 209 CCI 209 CCI 209SC CCI 209SC CCI 209SC Fed. 209A Fed. 209A	Rem.TGT12 WAA12SL Purple PC Rem.TGT12 WAA12SL Purple PC Rem.TGT12	18.0 gr/ 7,400 PSI 19.2 gr/ 6,700 LUP 18.5 gr/ 8,200 PSI 17.8 gr/ 8,700 PSI 19.0 gr/ 7,400 PSI 19.2 gr/ 7,000 PSI 17.8 gr/ 9,000 PSI	19.2 gr / 8,700 PSI 20.6 gr / 7,500 LUP 19.8 gr / 9,100 PSI 19.3 gr / 9,700 PSI 20.0 gr / 8,600 PSI 20.6 gr / 7,900 PSI 18.8 gr / 9,700 PSI	20.2 gr / 10,000 PSI 22.3 gr / 8,800 LUP 21.0 gr / 10,100 PSI 20.3 gr / 10,400 PSI 21.0 gr / 10,000 PSI 21.7 gr / 9,600 PSI 20.0 gr / 10,500 PSI	22.0 gr / 11,200 l
Internat'l Internat'l Internat'l Internat'l Internat'l Internat'l Internat'l	CCI 209 CCI 209 CCI 209SC CCI 209SC CCI 209SC Fed. 209A Fed. 209A	Rem.TGT12 WAA12SL Purple PC Rem.TGT12 WAA12SL Purple PC Rem.TGT12 WAA12SL WAA12SL WAA12SL	18.0 gr/ 7,400 PSI 19.2 gr/ 6,700 LUP 18.5 gr/ 8,200 PSI 17.8 gr/ 8,700 PSI 19.0 gr/ 7,400 PSI 19.2 gr/ 7,000 PSI 17.8 gr/ 9,000 PSI 18.0 gr/ 8,700 PSI	19.2 gr / 8,700 PSI 20.6 gr / 7,500 LUP 19.8 gr / 9,100 PSI 19.3 gr / 9,700 PSI 20.0 gr / 8,600 PSI 20.6 gr / 7,900 PSI 18.8 gr / 9,700 PSI 19.0 gr / 10,400 PSI	20.2 gr / 10,000 PSI 22.3 gr / 8,800 LUP 21.0 gr / 10,100 PSI 20.3 gr / 10,400 PSI 21.0 gr / 10,000 PSI 21.7 gr / 9,600 PSI	22.0 gr / 11,200 l
Internat'l	CCI 209 CCI 209 CCI 209SC CCI 209SC CCI 209SC Fed. 209A Fed. 209A Rem. 209P	Rem.TGT12 WAA12SL Purple PC Rem.TGT12 WAA12SL Purple PC Rem.TGT12 WAA12SL Fed. 12SO	18.0 gr/ 7,400 PSI 19.2 gr/ 6,700 LUP 18.5 gr/ 8,200 PSI 17.8 gr/ 8,700 PSI 19.0 gr/ 7,400 PSI 19.2 gr/ 7,000 PSI 17.8 gr/ 9,000 PSI 18.0 gr/ 8,700 PSI 18.8 gr/ 9,100 PSI	19.2 gr / 8,700 PSI 20.6 gr / 7,500 LUP 19.8 gr / 9,100 PSI 19.3 gr / 9,700 PSI 20.0 gr / 8,600 PSI 20.6 gr / 7,900 PSI 18.8 gr / 9,700 PSI 19.0 gr / 10,400 PSI 20.0 gr / 9,900 PSI	20.2 gr / 10,000 PSI 22.3 gr / 8,800 LUP 21.0 gr / 10,100 PSI 20.3 gr / 10,400 PSI 21.0 gr / 10,000 PSI 21.7 gr / 9,600 PSI 20.0 gr / 10,500 PSI 20.0 gr / 11,300 PSI	22.0 gr / 11,2001 21.3 gr / 11,3001 ———————————————————————————————————
Internat'I Internat'I Internat'I Internat'I Internat'I Internat'I Internat'I Internat'I Internat'I	CCI 209 CCI 209 CCI 209SC CCI 209SC CCI 209SC Fed. 209A Fed. 209A Rem. 209P Rem. 209P	Rem.TGT12 WAA12SL Purple PC Rem.TGT12 WAA12SL Purple PC Rem.TGT12 WAA12SL Fed. 12SO Purple PC	18.0 gr/ 7,400 PSI 19.2 gr/ 6,700 LUP 18.5 gr/ 8,200 PSI 17.8 gr/ 8,700 PSI 19.0 gr/ 7,400 PSI 19.2 gr/ 7,000 PSI 17.8 gr/ 9,000 PSI 18.0 gr/ 8,700 PSI 19.8 gr/ 9,100 PSI 19.8 gr/ 7,700 PSI	19.2 gr / 8,700 PSI 20.6 gr / 7,500 LUP 19.8 gr / 9,100 PSI 19.3 gr / 9,700 PSI 20.0 gr / 8,600 PSI 20.6 gr / 7,900 PSI 18.8 gr / 9,700 PSI 19.0 gr / 10,400 PSI 20.0 gr / 9,900 PSI 20.7 gr / 8,900 PSI	20.2 gr / 10,000 PSI 22.3 gr / 8,800 LUP 21.0 gr / 10,100 PSI 20.3 gr / 10,400 PSI 21.0 gr / 10,000 PSI 21.7 gr / 9,600 PSI 20.0 gr / 10,500 PSI 20.0 gr / 11,300 PSI — 21.6 gr / 9,400 PSI	22.0 gr / 11,200l 21.3 gr / 11,300l ———————————————————————————————————
Internat'I Internat'I Internat'I Internat'I Internat'I Internat'I Internat'I Internat'I Internat'I	CCI 209 CCI 209SC CCI 209SC CCI 209SC CCI 209SC Fed. 209A Fed. 209A Fed. 209A Rem. 209P Rem. 209P	Rem.TGT12 WAA12SL Purple PC Rem.TGT12 WAA12SL Purple PC Rem.TGT12 WAA12SL Fed. 12SO Purple PC Rem.TGT12	18.0 gr/ 7,400 PSI 19.2 gr/ 6,700 LUP 18.5 gr/ 8,200 PSI 17.8 gr/ 8,700 PSI 19.0 gr/ 7,400 PSI 19.2 gr/ 7,000 PSI 17.8 gr/ 9,000 PSI 18.0 gr/ 8,700 PSI 19.8 gr/ 7,700 PSI 20.8 gr/ 5,900 LUP	19.2 gr / 8,700 PSI 20.6 gr / 7,500 LUP 19.8 gr / 9,100 PSI 19.3 gr / 9,700 PSI 20.0 gr / 8,600 PSI 20.6 gr / 7,900 PSI 18.8 gr / 9,700 PSI 19.0 gr / 10,400 PSI 20.0 gr / 9,900 PSI 20.7 gr / 8,900 PSI 21.5 gr / 7,100 LUP	20.2 gr / 10,000 PSI 22.3 gr / 8,800 LUP 21.0 gr / 10,100 PSI 20.3 gr / 10,400 PSI 21.0 gr / 10,000 PSI 21.7 gr / 9,600 PSI 20.0 gr / 10,500 PSI 20.0 gr / 11,300 PSI — 21.6 gr / 9,400 PSI 22.3 gr / 7,800 LUP	22.0 gr / 11,200 l 21.3 gr / 11,300 l ———————————————————————————————————
Internat'I	CCI 209 CCI 209 CCI 209SC CCI 209SC CCI 209SC Fed. 209A Fed. 209A Rem. 209P Rem. 209P	Rem.TGT12 WAA12SL Purple PC Rem.TGT12 WAA12SL Purple PC Rem.TGT12 WAA12SL Fed. 12SO Purple PC Rem.TGT12 WAA12SL Fed. 12SO Purple PC Rem.TGT 12 WAA12SL	18.0 gr/ 7,400 PSI 19.2 gr/ 6,700 LUP 18.5 gr/ 8,200 PSI 17.8 gr/ 8,700 PSI 19.0 gr/ 7,400 PSI 19.2 gr/ 7,000 PSI 17.8 gr/ 9,000 PSI 18.0 gr/ 8,700 PSI 18.8 gr/ 9,100 PSI 19.8 gr/ 7,700 PSI 20.8 gr/ 5,900 LUP 19.0 gr/ 7,700 PSI	19.2 gr / 8,700 PSI 20.6 gr / 7,500 LUP 19.8 gr / 9,100 PSI 19.3 gr / 9,700 PSI 20.0 gr / 8,600 PSI 20.6 gr / 7,900 PSI 18.8 gr / 9,700 PSI 19.0 gr / 10,400 PSI 20.0 gr / 9,900 PSI 20.7 gr / 8,900 PSI 21.5 gr / 7,100 LUP 20.0 gr / 9,200 PSI	20.2 gr / 10,000 PSI 22.3 gr / 8,800 LUP 21.0 gr / 10,100 PSI 20.3 gr / 10,400 PSI 21.0 gr / 10,000 PSI 21.7 gr / 9,600 PSI 20.0 gr / 10,500 PSI 20.0 gr / 11,300 PSI 21.6 gr / 9,400 PSI 22.3 gr / 7,800 LUP 21.2 gr / 9,700 PSI	22.0 gr / 11,200 l 21.3 gr / 11,300 l ———————————————————————————————————
Internat'l	CCI 209 CCI 209 CCI 209SC CCI 209SC CCI 209SC Fed. 209A Fed. 209A Fed. 209A Rem. 209P Rem. 209P Rem. 209P Rem. 209P Win. 209	Rem.TGT12 WAA12SL Purple PC Rem.TGT12 WAA12SL Purple PC Rem.TGT12 WAA12SL Fed. 12SO Purple PC Rem.TGT 12 WAA12SL Fed. 12SO Fed. 12SO Fed. 12SO Fed. 12SO Fed. 12SO	18.0 gr/ 7,400 PSI 19.2 gr/ 6,700 LUP 18.5 gr/ 8,200 PSI 17.8 gr/ 8,700 PSI 19.0 gr/ 7,400 PSI 19.2 gr/ 7,000 PSI 17.8 gr/ 9,000 PSI 18.0 gr/ 8,700 PSI 18.8 gr/ 9,100 PSI 19.8 gr/ 7,700 PSI 20.8 gr/ 5,900 LUP 19.0 gr/ 7,700 PSI 18.4 gr/ 8,700 PSI	19.2 gr / 8,700 PSI 20.6 gr / 7,500 LUP 19.8 gr / 9,100 PSI 19.3 gr / 9,700 PSI 20.0 gr / 8,600 PSI 20.6 gr / 7,900 PSI 18.8 gr / 9,700 PSI 19.0 gr / 10,400 PSI 20.0 gr / 9,900 PSI 20.7 gr / 8,900 PSI 21.5 gr / 7,100 LUP 20.0 gr / 9,200 PSI 19.6 gr / 10,500 PSI	20.2 gr / 10,000 PSI 22.3 gr / 8,800 LUP 21.0 gr / 10,100 PSI 20.3 gr / 10,400 PSI 21.0 gr / 10,000 PSI 21.7 gr / 9,600 PSI 20.0 gr / 10,500 PSI 20.0 gr / 11,300 PSI 21.6 gr / 9,400 PSI 22.3 gr / 7,800 LUP 21.2 gr / 9,700 PSI 20.7 gr / 11,100 PSI	
Internat'I	CCI 209 CCI 209 CCI 209SC CCI 209SC CCI 209SC CCI 209SC Fed. 209A Fed. 209A Fed. 209A Rem. 209P Rem. 209P Rem. 209P Win. 209 Win. 209	Rem.TGT12 WAA12SL Purple PC Rem.TGT12 WAA12SL Purple PC Rem.TGT12 WAA12SL Fed. 12SO Purple PC Rem. TGT 12 WAA12SL Fed. 12SO Purple PC Rem. TGT 12 WAA12SL Fed. 12SO Purple PC	18.0 gr/ 7,400 PSI 19.2 gr/ 6,700 LUP 18.5 gr/ 8,200 PSI 17.8 gr/ 8,700 PSI 19.0 gr/ 7,400 PSI 19.2 gr/ 7,000 PSI 17.8 gr/ 9,000 PSI 18.0 gr/ 8,700 PSI 18.8 gr/ 9,100 PSI 19.8 gr/ 7,700 PSI 20.8 gr/ 5,900 LUP 19.0 gr/ 7,700 PSI 18.4 gr/ 8,700 PSI 18.6 gr/ 7,700 PSI	19.2 gr / 8,700 PSI 20.6 gr / 7,500 LUP 19.8 gr / 9,100 PSI 19.3 gr / 9,700 PSI 20.0 gr / 8,600 PSI 20.6 gr / 7,900 PSI 18.8 gr / 9,700 PSI 19.0 gr / 10,400 PSI 20.0 gr / 9,900 PSI 20.7 gr / 8,900 PSI 21.5 gr / 7,100 LUP 20.0 gr / 9,200 PSI 19.6 gr / 10,500 PSI 20.0 gr / 8,100 PSI	20.2 gr / 10,000 PSI 22.3 gr / 8,800 LUP 21.0 gr / 10,100 PSI 20.3 gr / 10,400 PSI 21.0 gr / 10,000 PSI 21.7 gr / 9,600 PSI 20.0 gr / 10,500 PSI 20.0 gr / 11,300 PSI 21.6 gr / 9,400 PSI 22.3 gr / 7,800 LUP 21.2 gr / 9,700 PSI 20.7 gr / 11,100 PSI 21.2 gr / 9,300 PSI	22.8 gr / 10,100 F  22.5 gr / 11,00 F  22.8 gr / 10,100 F  22.5 gr / 11,100 F  22.7 gr / 10,800 F
Internat'I	CCI 209 CCI 209 CCI 209SC CCI 209SC CCI 209SC CCI 209SC Fed. 209A Fed. 209A Fed. 209A Rem. 209P Rem. 209P Rem. 209P Win. 209 Win. 209 Win. 209	Rem.TGT12 WAA12SL Purple PC Rem.TGT12 WAA12SL Purple PC Rem.TGT12 WAA12SL Fed. 12SO Purple PC Rem. TGT 12 WAA12SL Fed. 12SO Purple PC Rem. TGT 12 WAA12SL Fed. 12SO Purple PC Rem.TGT 12 Rem.TGT 12 Rem.TGT 12 Rem.TGT 12	18.0 gr/ 7,400 PSI 19.2 gr/ 6,700 LUP 18.5 gr/ 8,200 PSI 17.8 gr/ 8,700 PSI 19.0 gr/ 7,400 PSI 19.2 gr/ 7,000 PSI 17.8 gr/ 9,000 PSI 18.0 gr/ 8,700 PSI 18.0 gr/ 8,700 PSI 19.2 gr/ 7,700 PSI 20.8 gr/ 5,900 LUP 19.0 gr/ 7,700 PSI 18.4 gr/ 8,700 PSI 18.6 gr/ 7,700 PSI 18.4 gr/ 7,700 PSI	19.2 gr / 8,700 PSI 20.6 gr / 7,500 LUP 19.8 gr / 9,100 PSI 19.3 gr / 9,700 PSI 20.0 gr / 8,600 PSI 20.6 gr / 7,900 PSI 18.8 gr / 9,700 PSI 19.0 gr / 10,400 PSI 20.0 gr / 9,900 PSI 20.7 gr / 8,900 PSI 21.5 gr / 7,100 LUP 20.0 gr / 9,200 PSI 19.6 gr / 10,500 PSI 19.6 gr / 8,600 PSI	20.2 gr / 10,000 PSI 22.3 gr / 8,800 LUP 21.0 gr / 10,100 PSI 20.3 gr / 10,400 PSI 21.0 gr / 10,000 PSI 21.7 gr / 9,600 PSI 20.0 gr / 10,500 PSI 20.0 gr / 11,300 PSI 21.6 gr / 9,400 PSI 22.3 gr / 7,800 LUP 21.2 gr / 9,700 PSI 20.7 gr / 11,100 PSI 20.7 gr / 11,100 PSI 20.7 gr / 9,300 PSI 20.7 gr / 9,600 PSI	22.8 gr / 10,100 F  22.5 gr / 11,00 F  22.8 gr / 10,100 F  22.5 gr / 11,100 F  22.7 gr / 10,800 F
Internat'I	CCI 209 CCI 209 CCI 209SC CCI 209SC CCI 209SC CCI 209SC Fed. 209A Fed. 209A Fed. 209A Rem. 209P Rem. 209P Rem. 209P Win. 209 Win. 209	Rem.TGT12 WAA12SL Purple PC Rem.TGT12 WAA12SL Purple PC Rem.TGT12 WAA12SL Fed. 12SO Purple PC Rem. TGT 12 WAA12SL Fed. 12SO Purple PC Rem. TGT 12 WAA12SL Fed. 12SO Purple PC	18.0 gr/ 7,400 PSI 19.2 gr/ 6,700 LUP 18.5 gr/ 8,200 PSI 17.8 gr/ 8,700 PSI 19.0 gr/ 7,400 PSI 19.2 gr/ 7,000 PSI 17.8 gr/ 9,000 PSI 18.0 gr/ 8,700 PSI 18.8 gr/ 9,100 PSI 19.8 gr/ 7,700 PSI 20.8 gr/ 5,900 LUP 19.0 gr/ 7,700 PSI 18.4 gr/ 8,700 PSI 18.6 gr/ 7,700 PSI	19.2 gr / 8,700 PSI 20.6 gr / 7,500 LUP 19.8 gr / 9,100 PSI 19.3 gr / 9,700 PSI 20.0 gr / 8,600 PSI 20.6 gr / 7,900 PSI 18.8 gr / 9,700 PSI 19.0 gr / 10,400 PSI 20.0 gr / 9,900 PSI 20.7 gr / 8,900 PSI 21.5 gr / 7,100 LUP 20.0 gr / 9,200 PSI 19.6 gr / 10,500 PSI 20.0 gr / 8,100 PSI	20.2 gr / 10,000 PSI 22.3 gr / 8,800 LUP 21.0 gr / 10,100 PSI 20.3 gr / 10,400 PSI 21.0 gr / 10,000 PSI 21.7 gr / 9,600 PSI 20.0 gr / 10,500 PSI 20.0 gr / 11,300 PSI 21.6 gr / 9,400 PSI 22.3 gr / 7,800 LUP 21.2 gr / 9,700 PSI 20.7 gr / 11,100 PSI 21.2 gr / 9,300 PSI	22.0 gr / 10,900F



				1180 fps	1235 fps	1290 fps	1345 fps
OZ	Titegroup	Win. 209	Rem. TGT 12	15.7 gr / 7,900 PSI	17.1 gr / 9,100 PSI	18.5 gr / 10,200 PSI	19.9 gr / 11,400 PS
OZ	Titegroup	Win. 209	WAA12SL	16.5 gr / 7,500 PSI	17.7 gr / 8,800 PSI	18.9 gr / 10,100 PSI	20.1 gr / 11,400 PS
				1090 fps	1145 fps	1200 fps	1255 fps
ΟZ	Titewad	Ched. 209	Rem. Fig. 8	15.7 gr / 9,500 PSI	16.6 gr / 10,700 PSI		
oz	Titewad	Ched. 209	WAA12	15.3 gr / 9,900 PSI	16.4 gr / 10,900 PSI	_	_
oz	Titewad	Ched. 209	Windjammer	15.9 gr / 8,700 PSI	16.8 gr / 10,100 PSI	_	_
3 oz	Titewad	CCI 209	Rem. Fig. 8	15.3 gr / 10,300 PSI	16.5 gr / 11,200 PSI	_	_
3 oz	Titewad	CCI 209	WAA12	15.3 gr / 10,300 PSI	16.0 gr / 10,900 PSI	_	_
3 oz	Titewad	CCI 209	Windjammer	15.3 gr / 8,600 PSI	16.6 gr / 9,400 PSI	17.8 gr / 10,900 PSI	_
3 oz	Titewad	Fed. 209A	Fed.12S3	15.5 gr / 9,900 PSI	16.8 gr / 10,800 PSI	_	_
3 oz	Titewad	Fed. 209A	Hor. Vers.	15.3 gr / 10,600 PSI	16.3 gr / 11,400 PSI	_	_
3 oz	Titewad	Fed. 209A	Red PC	15.6 gr / 9,600 PSI	16.6 gr / 11,000 PSI	_	_
8 oz	Titewad	Fed. 209A	Rem. Fig. 8	15.6 gr / 10,000 PSI	16.6 gr / 10,600 PSI	_	_
3 oz	Titewad	Fed. 209A	WAA12	15.4 gr / 9,700 PSI	16.4 gr / 10,800 PSI	_	_
3 oz	Titewad	Fed. 209A	Windjammer	15.4 gr / 9,400 PSI	16.0 gr / 10,600 PSI	_	_
8 oz	Titewad	Rem. 209P	Rem. Fig. 8	15.7 gr / 8,500 PSI	16.8 gr / 9,300 PSI	18.3 gr / 10,400 PSI	_
8 oz	Titewad	Rem. 209P	WAA12	15.5 gr / 10,100 PSI	16.4 gr / 11,200 PSI		_
8 oz	Titewad	Rem. 209P	Windjammer	15.5 gr / 9,100 PSI	16.2 gr / 10,000 PSI	17.0 gr / 11,100 PSI	_
3 oz	Titewad	Win. 209	CB3118-12-AR	15.2 gr / 9,300 PSI	16.3 gr / 10,700 PSI	17.7 gr / 11,400 PSI	_
3 oz	Titewad	Win. 209	Hawk	14.8 gr / 10,000 PSI	15.5 gr / 10,500 PSI		_
3 oz	Titewad	Win. 209	Red PC	15.1 gr / 8,900 PSI	15.9 gr / 9,700 PSI	_	_
3 oz	Titewad	Win. 209	Rem. Fig. 8	15.2 gr / 9,000 PSI	16.2 gr / 9,700 PSI	17.5 gr / 11,100 PSI	_
3 oz	Titewad	Win. 209	WAA12	15.2 gr / 9,500 PSI	16.5 gr / 10,400 PSI	17.8 gr / 11,100 PSI	_
3 oz	Titewad	Win. 209	Windjammer	15.3 gr / 8,300 PSI	16.3 gr / 9,600 PSI	17.8 gr / 10,500 PSI	_
3 oz	Clays	Ched. 209	Rem. Fig. 8	16.4 gr / 8,800 PSI	17.5 gr / 10,200 PSI		_
8 oz	Clays	Ched. 209	WAA12	15.8 gr / 9,400 PSI	17.2 gr / 10,700 PSI	_	_
8 oz	Clays	Ched. 209	Windjammer	15.7 gr / 7,900 PSI	17.4 gr / 9,500 PSI	19.0 gr / 11,100 PSI	_
8 oz	Clays	CCI 209	Red PC	16.5 gr / 8,400 PSI	17.0 gr / 10,000 PSI	18.3 gr / 11,400 PSI	_
8 oz	Clays	CCI 209	Rem. Fig. 8	16.0 gr / 8,700 PSI	16.8 gr / 9,600 PSI		_
8 oz	Clays	CCI 209	WAA12	16.0 gr / 8,900 PSI	17.0 gr / 9,800 PSI	18.1 gr / 11,300 PSI	_
8 oz	Clays	CCI 209	Windjammer	16.0 gr / 8,200 PSI	16.8 gr / 8,600 PSI	18.5 gr / 11,100 PSI	_
8 oz	Clays	CCI 209SC	Rem. Fig. 8	15.7 gr / 8,800 PSI	16.5 gr / 10,400 PSI		_
8 oz	Clays	CCI 209SC	Trapper	15.5 gr / 10,300 PSI	16.0 gr / 11,400 PSI	_	_
8 oz	Clays	CCI 209SC	WAA12	15.5 gr / 9,300 PSI	16.0 gr / 10,600 PSI	_	_
8 oz	Clays	CCI 209SC	Windjammer	16.1 gr / 8,600 PSI	16.7 gr / 9,100 PSI	17.8 gr / 11,500 PSI	_
3 oz	Clays	Fed. 209A	Rem. Fig. 8	15.8 gr / 10,700 PSI	16.6 gr / 11,100 PSI		_
8 oz	Clays	Fed. 209A	Windjammer	16.0 gr / 9,100 PSI	16.7 gr / 10,300 PSI	18.0 gr / 11,400 PSI	_
8 oz	Clays	Fed. 209A	WAA12	15.0 gr / 9,700 PSI	16.0 gr / 10,800 PSI		_
8 oz	Clays	Fio. 616	WAA12	15.5 gr / 9,400 PSI	16.0 gr / 10,900 PSI	_	_
8 oz	Clays	Rem. 209P	Red PC	17.1 gr / 7,200 LUP	18.4 gr / 7,800 LUP	19.6 gr / 8,400 LUP	_
8 oz	Clays	Rem. 209P	Rem. Fig. 8	16.3 gr / 9,000 PSI	17.3 gr / 10,100 PSI	18.5 gr / 11,500 PSI	_
8 oz	Clays	Rem. 209P	WAA12	15.9 gr / 8,900 PSI	17.0 gr / 9,400 PSI	_	_
8 oz	Clays	Rem. 209P	Windjammer	16.5 gr / 8,100 PSI	17.5 gr / 9,400 PSI	18.5 gr / 10,400 PSI	_
8 oz	Clays	Win. 209	Hor. Versalite	16.4 gr / 8,300 LUP	17.6 gr / 9,400 LUP	18.8 gr / 10,600 LUP	_
8 oz	Clays	Win. 209	Lage Uniwad	16.0 gr / 9,700 PSI	16.9 gr / 10,600 PSI	_	
3 oz	Clays	Win. 209	Red PC	16.3 gr / 7,900 PSI	17.0 gr / 9,100 PSI	18.3 gr / 10,900 PSI	



				1090 fps	1145 fps	1200 fps	1255 fps
oz	Clays	Win. 209	Rem. Fig. 8	16.0 gr / 7,700 LUP	17.0 gr / 8,500 LUP	18.1 gr / 9,400 LUP	_
oz	Clays	Win. 209	WAA12	16.1 gr / 7,700 LUP	17.3 gr / 8,800 LUP	18.2 gr / 9,800 LUP	_
OZ	Internat'l	Ched. 209	Rem. Fig. 8	17.4 gr / 7,900 PSI	18.5 gr / 9,200 PSI	19.7 gr / 10,500 PSI	_
OZ	Internat'l	Ched. 209	WAA12	16.9 gr / 8,100 PSI	18.1 gr / 9,600 PSI	19.3 gr / 11,100 PSI	_
OZ	Internat'l	Ched. 209	Windjammer	17.9 gr / 8,000 PSI	18.9 gr / 9,200 PSI	19.8 gr / 10,300 PSI	20.8 gr / 11,50
OZ	Internat'l	CCI 209	Fed. 12S3	_	19.2 gr / 7,900 LUP	20.0 gr / 8,300 LUP	21.6 gr / 10,20
OZ	Internat'l	CCI 209	Hor. Vers.	16.7 gr / 8,600 PSI	17.2 gr / 9,600 PSI	18.2 gr / 11,300 PSI	_
oz	Internat'l	CCI 209	Red PC	17.3 gr / 8,900 PSI	17.7 gr / 9,400 PSI	19.0 gr / 10,700 PSI	20.5 gr / 11,30
OZ	Internat'l	CCI 209	Rem. Fig. 8	17.0 gr / 9,300 PSI	17.8 gr / 10,100 PSI	18.5 gr / 11,200 PSI	_
OZ	Internat'l	CCI 209	WAA12	17.0 gr / 9,700 PSI	17.4 gr / 10,500 PSI	18.2 gr / 11,400 PSI	_
OZ	Internat'l	CCI 209	Windjammer	17.0 gr / 8,300 PSI	17.7 gr / 8,800 PSI	19.5 gr / 9,800 PSI	20.5 gr / 11,50
oz	Internat'l	CCI 209SC	Red PC	16.7 gr / 8,900 PSI	17.8 gr / 9,800 PSI	18.5 gr / 10,300 PSI	20.5 gr / 11,50
OZ	Internat'l	CCI 209SC	Rem. Fig. 8	16.7 gr / 8,600 PSI	17.5 gr / 9,800 PSI	18.5 gr / 10,500 PSI	_
oz	Internat'l	CCI 209SC	Trapper	16.5 gr / 9,400 PSI	17.5 gr / 9,900 PSI		_
OZ	Internat'l	CCI 209SC	WAA12	16.2 gr / 9,100 PSI	17.2 gr / 9,800 PSI	18.5 gr / 10,900 PSI	_
OZ	Internat'l	CCI 209SC	Windjammer	16.7 gr / 8,500 PSI	17.7 gr / 8,900 PSI	19.0 gr / 10,600 PSI	20.7 gr / 11,20
OZ	Internat'l	Fed. 209A	Red PC	16.0 gr / 9,200 PSI	17.2 gr / 10,400 PSI	18.5 gr / 11,500 PSI	
OZ	Internat'l	Fed. 209A	Rem. Fig. 8	16.5 gr / 9,700 PSI	17.0 gr / 10,100 PSI	18.0 gr / 10,900 PSI	
OZ	Internat'l	Fed. 209A	WAA12	16.0 gr / 9,500 PSI	16.8 gr / 10,300 PSI	17.5 gr / 10,900 PSI	
OZ	Internat'l	Fed. 209A	Windjammer	17.4 gr / 6,900 PSI	18.0 gr / 7,700 PSI	19.5 gr / 9,500 PSI	21.3 gr / 11,20
OZ	Internat'l	Fio. 616	Rem. Fig. 8	16.3 gr / 8,600 PSI	17.6 gr / 9,500 PSI	18.3 gr / 10,200 PSI	
OZ	Internat'l	Fio. 616	WAA12	16.3 gr / 9,600 PSI	17.0 gr / 11,000 PSI	_	
OZ	Internat'l	Rem. 209P	Hawk	16.8 gr / 8,800 PSI	18.0 gr / 9,800 PSI	19.0 gr / 10,800 PSI	
oz	Internat'l	Rem. 209P	Hor. Vers.	16.8 gr / 9,000 PSI	17.8 gr / 10,000 PSI	19.0 gr / 11,300 PSI	
oz	Internat'l	Rem. 209P	Rem. Fig. 8	_	20.1 gr / 6,300 LUP	21.1 gr / 7,700 LUP	22.1 gr / 8,00
oz	Internat'l	Rem. 209P	WAA12	16.5 gr / 8,900 PSI	17.8 gr / 9,500 PSI	18.7 gr / 11,100 PSI	
oz	Internat'l	Rem. 209P	Windjammer	17.2 gr / 8,100 PSI	18.3 gr / 8,300 PSI	19.2 gr / 9,000 PSI	20.8 gr / 10,80
oz	Internat'l	Win. 209	Hawk	17.0 gr / 9,000 PSI	18.0 gr / 9,900 PSI	19.0 gr / 10,200 PSI	20.0 gr / 11,40
OZ	Internat'l	Win. 209	Hor. Versalite	17.4 gr / 7,900 LUP	18.1 gr / 8,600 LUP	19.2 gr / 9,800 LUP	
OZ	Internat'l	Win. 209	Red PC	18.3 gr / 6,800 LUP	18.9 gr / 7,200 LUP	20.2 gr / 8,300 LUP	21.3 gr / 9,70
OZ	Internat'l	Win. 209	Rem. Fig. 8	17.3 gr / 8,100 PSI	18.3 gr / 9,500 PSI		
OZ	Internat'l	Win. 209	Trapper	17.0 gr / 8,100 PSI	18.0 gr / 9,300 PSI	19.0 gr / 10,400 PSI	
OZ	Internat'l	Win. 209	WAA12	17.6 gr / 7,400 LUP	18.1 gr / 8,300 LUP	19.2 gr / 9,600 LUP	21.3 gr /10,80
OZ	Internat'l	Win. 209	Windjammer	17.3 gr / 7,900 PSI	18.0 gr / 8,600 PSI	19.5 gr / 9,800 PSI	20.8 gr / 10,30
OZ	Titegroup	Rem. 209P	Rem. Fig. 8	14.7 gr / 8,500 PSI	15.9 gr / 9,700 PSI	17.0 gr / 10,700 PSI	20.0 gi / 10,50
OZ	Titegroup	Rem. 209P	WAA12	14.6 gr / 8,400 PSI	15.6 gr / 9,600 PSI	16.5 gr / 10,600 PSI	
OZ	Titegroup	Win. 209	Rem. Fig. 8	14.9 gr / 8,200 PSI	15.9 gr / 9,200 PSI	16.9 gr / 10,200 PSI	
OZ	Titegroup	Win. 209	WAA12	14.9 gr / 7,900 PSI	15.9 gr / 9,000 PSI	17.4 gr / 10,400 PSI	18.4 gr / 11,40
02	Thegroup	WIII. 207	WANTZ				10.4 gi / 11,40
				1200 fps	1255 fps	1310 fps	
oz	Universal	CCI 209	Windjammer	23.3 gr / 8,000 PSI	24.3 gr / 9,300 PSI		
oz	Universal	CCI 209M	Hor. Versalite	22.0 gr / 9,900 PSI	23.0 gr / 10,700 PSI		
oz	Universal	CCI 209SC	Windjammer	22.4 gr / 8,200 PSI	24.0 gr / 9,000 PSI	24.4 gr / 9,800 PSI	
oz	Universal	Fed. 209A	WAA12	21.5 gr / 9,600 PSI	22.8 gr / 10,700 PSI	23.6 gr / 11,300 PSI	
OZ	Universal	Win. 209	Rem. Fig. 8	22.5 gr / 9,000 PSI	23.5 gr / 10,000 PSI	24.5 gr / 10,700 PSI	
OZ	Universal	Win. 209	WAA12	22.0 gr / 10,000 PSI	22.7 gr / 10,600 PSI	_	



				STER COMPRESS 1420 fps	1475 fps	1530 fps	1585 fps
ΟZ	Longshot	CCI 209M	Fed. 12S3	30.9 gr / 10,200 PSI	32.4 gr / 11,300 PSI	—	_
οz	Longshot	CCI 209M	Rem. R12H	31.5 gr / 9,200 PSI	32.9 gr / 10,200 PSI	34.2 gr / 11,200 PSI	_
oz	Longshot	CCI 209M	WAA12	30.9 gr / 10,000 PSI	32.5 gr / 10,900 PSI	_	_
ΟZ	Longshot	CCI 209M	Windjammer	32.2 gr / 8,700 PSI	33.7 gr / 9,600 PSI	35.1 gr / 10,500 PSI	_
ΟZ	Longshot	Fed. 209A	Fed. 12S3	31.1 gr / 10,300 PSI	32.2 gr / 11,300 PSI	_	_
ΟZ	Longshot	Fed. 209A	Rem. R12H	31.0 gr / 9,800 PSI	32.6 gr / 10,500 PSI	_	_
ΟZ	Longshot	Fed. 209A	WAA12	31.0 gr / 9,800 PSI	32.3 gr / 10,800 PSI	_	_
ΟZ	Longshot	Rem. 209P	Fed. 12S3	30.3 gr / 10,500 PSI	31.7 gr / 11,400 PSI	_	-
ΟZ	Longshot	Rem. 209P	Rem. R12H	31.3 gr / 9,200 PSI	32.5 gr / 10,200 PSI	33.7 gr / 11,300 PSI	_
ΟZ	Longshot	Rem. 209P	WAA12	30.8 gr / 9,500 PSI	32.1 gr / 10,500 PSI	_	_
ΟZ	Longshot	Rem. 209P	Windjammer	31.9 gr / 8,800 PSI	33.7 gr / 9,600 PSI	35.4 gr / 10,200 PSI	_
ΟZ	Longshot	Win. 209	Fed. 12S3	32.6 gr / 8,800 PSI	34.1 gr / 9,500 PSI	35.7 gr / 10,300 PSI	_
ΟZ	Longshot	Win. 209	Hor. Vers.	32.2 gr / 8,600 PSI	33.6 gr / 9,500 PSI	34.9 gr / 10,300 PSI	_
ΟZ	Longshot	Win. 209	Rem. R12L	33.4 gr / 8,100 PSI	34.6 gr / 9,100 PSI	35.9 gr / 10,200 PSI	37.1 gr / 11,100 P
ΟZ	Longshot	Win. 209	WAA12	32.1 gr / 9,200 PSI	33.2 gr / 10,100 PSI	34.4 gr / 11,100 PSI	_
				1220 fps	1250 fps		
οz	Universal	CCI 209	Rem. SP12	22.5 gr / 10,700 PSI	23.9 gr / 11,100 PSI		
ΟZ	Universal	CCI 209	WAA12 F114	23.5 gr / 10,000 PSI	_		
οz	Universal	CCI 209M	Rem. SP12	23.3 gr / 11,100 PSI	_		
οz	Universal	CCI 209M	WAA12F114	22.5 gr / 11,400 PSI	_		
ΟZ	Universal	Fed. 209A	Rem. SP12	22.4 gr / 11,500 PSI	_		
οz	Universal	Fed. 209A	WAA12F114	22.6 gr / 11,500 PSI	_		
οz	Universal	Rem. 209P	Rem. SP12	23.3 gr / 10,600 PSI	24.2 gr / 11,200 PSI		
οz	Universal	Rem. 209P	WAA12F114	23.0 gr / 11,500 PSI	_		
ΟZ	Universal	Win. 209	Rem. SP12	22.8 gr / 10,700 PSI	23.3 gr / 11,400 PSI		
ΟZ	Universal	Win. 209	WAA12 F114	23.0 gr / 10,900 PSI	_		
				1220 fps	1330 fps		
οz	HS-6	Win. 209	WAA12F114	30.0 gr / 8,800 LUP	33.0 gr / 10,500 LUP		
ΟZ	HS-6	Win. 209	Rem. R12H	31.5 gr / 9,000 LUP	35.0 gr / 10,600 LUP		
ΟZ	HS-6	Win. 209	Fed. 12C1	32.0 gr / 8,700 LUP	35.0 gr / 10,400 LUP		
				1330 fps	1385 fps	1440 fps	
ΟZ	Longshot	CCI 209M	Rem. SP12	29.3 gr / 8,900 PSI	30.7 gr / 9,900 PSI	32.1 gr / 10,800 PSI	
ΟZ	Longshot	CCI 209M	WAA12F114	29.3 gr / 10,200 PSI	30.1 gr / 11,300 PSI	_	
ΟZ	Longshot	CCI 209M	Fed. 12S4	28.5 gr / 10,900 PSI	_	_	
ΟZ	Longshot	Fed. 209A	Rem. SP12	28.6 gr / 9,400 PSI	30.0 gr / 10,600 PSI	_	
ΟZ	Longshot	Fed. 209A	WAA12F114	27.7 gr / 10,800 PSI	_	_	
ΟZ	Longshot	Rem. 209P	Fed. 12S4	28.5 gr / 11,000 PSI			
ΟZ	Longshot	Rem. 209P	Rem. SP12	29.1 gr / 9,400 PSI	30.9 gr / 9,800 PSI	32.2 gr / 11,200 PSI	
ΟZ	Longshot	Rem. 209P	WAA12F114	27.9 gr / 10,500 PSI	29.5 gr / 11,300 PSI		
ΟZ	Longshot	Win. 209	Fed. 12S4	29.8 gr / 9,400 PSI	31.1 gr / 10,500 PSI		
ΟZ	Longshot	Win. 209	Rem. SP12	30.0 gr / 8,300 PSI	31.5 gr / 9,300 PSI	33.0 gr / 10,400 PSI	



SHOT	POWDER	PRIMER	WAD		CHARGE/F	PRESSURE	
	12 G	A. 23/4	". WINCHES	TER COMPRESS	SION-FORMED A	A TYPE SHELLS CO	NT.
	0	, = 0, 1	, Triitorize	1285 fps	JOHN GAMES		
1 3/8 oz	HS-7	Win. 209	WAA12R	35.5 gr / 10,300 LUP			
				1260 fps			
1 1/2 oz	HS-7	Win. 209	WAA12R	36.5 gr / 10,400 LUP			
1 1/2 oz	HS-7	Win. 209	Rem. RP12	36.5 gr / 9,900 LUP			
				1205 fps	1260 fps		
1 1/2 oz	Longshot	CCI 209M	Rem. SP12	25.9 gr / 11,400 PSI	_		
1 1/2 oz	Longshot	CCI 209M	WAA12R	25.0 gr / 11,300 PSI	_		
1 1/2 oz	Longshot	Fed. 209A	Rem. RP12	25.5 gr / 11,100 PSI			
1 1/2 oz	Longshot	Fed. 209A	WAA12R	25.0 gr / 11,000 PSI	_		
1 1/2 oz	Longshot	Rem. 209P	Rem.RP12	25.5 gr / 11,100 PSI	_		
1 1/2 oz	Longshot	Rem. 209P	WAA12R	26.0 gr / 10,800 PSI			
1 1/2 oz		Win. 209	Rem. RP12	27.0 gr / 9,900 PSI	28.0 gr / 11,400 PSI		
1 1/2 oz	Longshot	Win. 209	WAA12R	26.4 gr / 10,100 PSI	28.0 gr / 11,500 PSI		
12	GA. 23	3/4". WIN	ICHESTER P	OLYFORMED PL	ASTIC GAME SH	IELLS (PLASTIC BAS	SEWAD)
				1200 fps	1255 fps	1310 fps	
1 1/8 oz	Universal	CCI 209M	Windjammer	24.5 gr / 8,000 PSI	25.8 gr / 8,600 PSI	26.2 gr / 9,600 PSI	
1 1/8 oz	Universal	CCI 209SC	Windjammer	25.0 gr / 6,800 PSI	26.5 gr / 7,200 PSI	27.5 gr / 7,900 PSI	
1 1/8 oz	Universal	Fed. 209A	Rem. Fig. 8	24.0 gr / 8,000 PSI	24.8 gr / 8,900 PSI	26.0 gr / 9,400 PSI	
1 1/8 oz	Universal	Win. 209	WAA12	24.0 gr / 7,900 PSI	25.3 gr / 9,000 PSI	26.0 gr / 10,100 PSI	
		12	GA., 3", FE	DERAL PLASTIC	SHELL, 7/16" B	ACE WAD	
		IZ	GA., 3 , FE	1225 fps	1280 fps	1335 fps	
1 5/8 oz	Longshot	CCI209M	Fed. 12S4	28.3 gr / 10,600 PSI	1200 ips		
1 5/8 oz		CCI209M	WAA12	28.8 gr / 10,200 PSI	30.8 gr / 11,200 PSI		
1 5/8 oz		Fed. 209A	Fed. 12S4	28.3 gr / 10,800 PSI		_	
1 5/8 oz	Longshot	Fed. 209A	WAA12	29.1 gr / 10,000 PSI	_	_	
1 5/8 oz	Longshot	Win. 209	Fed. 12S4	30.0 gr / 10,300 PSI	_	_	
1 5/8 oz	Longshot	Win. 209	WAA12	30.9 gr / 9,500 PSI	32.0 gr / 10,600 PSI	-	
				1155 fps	1210 fps		
1 7/8 oz	Longshot	CCI209M	Rem. SP12	27.7 gr / 10,600 PSI			
1 7/8 oz	Longshot	Fed. 209A	Rem. SP12	27.1 gr / 11,200 PSI	_		
1 7/8 oz	Longshot	Win. 209	Rem. SP12	27.9 gr / 9,900 PSI	29.5 gr / 11,400 PSI		
1 7/8 oz	Longshot	Win. 209	Win. WAA12R + .070" card	28.0 gr / 10,500 PSI	_		
			12 GA	., 3", FIOCCHI	PLASTIC SHELL		
				1155 fps			
1 7/8 oz	Longshot	Ched. 209	Rem. SP12	27.2 gr / 10,800 PSI			
1 7/8 oz	Longshot	Ched. 209	WAA12R	27.0 gr / 10,800 PSI			
1 7/8 oz	Longshot	Fio. 616	Rem. SP12	27.5 gr / 10,800 PSI		·	<u> </u>
1 7/8 oz	Longshot	Fio. 616	WAA12R	26.9 gr / 10,900 PSI			
		_ 12 (	CV 3" DEV	/INGTON-PETER	S DI ASTIC CAN	ME SHELLS	
		121	JA., J , KEN	1225 fps	1280 fps	1335 fps	
1 5/8 oz	Longshot	CCI209M	Rem. SP12	28.9 gr / 9,700 PSI	31.0 gr / 10,600 PSI	— 1000 ipo	
1 5/8 oz	Longshot	CCI209M	WAA12F114	28.0 gr / 10,400 PSI	——————————————————————————————————————	_	
1 5/8 oz		Rem. 209P	Rem. SP12	29.7 gr / 9,000 PSI	31.3 gr / 10,200 PSI	_	
				J	y ., <del>-</del> -		



SHOT	POWDER	PRIMER	WAD		CHARGE/P	RESSURE	
		12 GA.	, 3", REMIN	GTON-PETERS P	LASTIC GAME S	SHELLS CONT.	
				1225 fps	1280 fps	1335 fps	
1 5/8 oz	Longshot	Rem. 209P	WAA12F114	29.0 gr / 10,300 PSI			
1 5/8 oz 1 5/8 oz	Longshot Longshot	Win. 209 Win. 209	Rem. SP12 WAA12F114	29.9 gr / 9,300 PSI 29.8 gr / 9,600 PSI	32.2 gr / 10,300 PSI	34.4 gr / 11,200 PSI	
1 3/6 02	Longshot	VVIII. 209	WAATZETT4		31.2 gr / 11,300 PSI		
1 7/8 oz	Longshot	CCI209M	Rem. SP12	1155 fps 27.6 gr / 10,900 PSI	1210 fps		
1 7/8 oz	Longshot	Rem. 209P	Rem. SP12	28.4 gr / 11,000 PSI			
1 7/8 oz	Longshot	Win. 209	Rem. SP12	29.1 gr / 8,600 PSI	30.8 gr / 11,000 PSI		
					3. ,,		
1 7/8 oz	HS-7	Rem. 209P	WAA12R	1140 fps 36.0 gr / 10,800 LUP			
1 7/8 oz		Rem. 209P	Rem. RP12	36.0 gr / 10,700 LUP			
	-			-			
	12 GA., 3	3", WINC	HESTER PO	LYFORMED PLAS 1225 fps	1280 fps	LS (PLASTIC BASEWAD) 1335 fps	)
1 5/8 oz	Longshot	CCI209M	Rem. R12L	31.6 gr / 9,800 PSI	32.9 gr / 10,200 PSI	34.5 gr / 11,400 PSI	
1 5/8 oz	Longshot	CCI209M	WAA12F114	_	31.6 gr / 10,700 PSI	_	
1 5/8 oz	Longshot	Rem. 209P	Rem. R12L	32.2 gr / 8,500 PSI	33.9 gr / 9,200 PSI	35.7 gr / 10,000 PSI	
1 5/8 oz	Longshot	Rem. 209P	WAA12F114	-	31.4 gr / 10,400 PSI	-	
1 5/8 oz	Longshot	Win. 209	Rem. R12L	33.6 gr / 7,200 PSI	34.8 gr / 8,700 PSI	36.1 gr / 10,300 PSI	
1 5/8 oz	Longshot	Win. 209	WAA12F114	_	32.7 gr / 10,400 PSI	34.0 gr / 11,500 PSI	
				1155 fps	1210 fps		
1 7/8 oz	Longshot	CCI209M	Rem. SP12	28.5 gr / 9,900 PSI	31.0 gr / 11,500 PSI		
1 7/8 oz	Longshot	CCI209M	WAA12R + .070" card	28.5 gr / 10,400 PSI	_		
1 7/8 oz	Longshot	Rem. 209P	Rem. SP12	29.9 gr / 8,300 PSI	31.0 gr / 11,100 PSI		
1 7/8 oz	Longshot	Rem. 209P	WAA12R + .070" card	29.3 gr / 9,500 PSI	30.9 gr / 11,500 PSI		
1 7/8 oz	Longshot	Win. 209	Rem. SP12	30.2 gr / 9,500 PSI	32.0 gr / 10,700 PSI		
1 7/8 oz	Longshot	Win. 209	WAA12R + .070" card	29.5 gr / 8,800 PSI	31.3 gr / 11,000 PSI		
	12 (	GA., 3", \	WINCHESTE	R COMPRESSIO	N-FORMED SUP	ER-X TYPE SHELLS	
		J. 1. 7 0 7		1295 fps	T T GT WILL D G G		
1 3/8 oz	HS-6	Win. 209	WAA12	35.5 gr / 9,400 LUP			
				1205 fps			
1 5/8 oz	HS-7	Win. 209	WAA12	36.0 gr / 10,400 LUP			
1 5/8 oz	HS-7	Win. 209	Rem. R12H	36.0 gr / 10,200 LUP			
				1100 fps			
1 7/8 oz	HS-7	Win. 209	WAA12R	33.5 gr / 10,600 LUP			
		12 GA.,	3 1/2", FED	ERAL STEEL SHO	TSHELLS (LEAD	SHOT LOADS)	
				1250 fps	1300 fps	· ·	
1 7/8 oz	Longshot	Fed. 209A	Fed. 12S0 + 1–20 ga. .135" Card	36.3 gr/12,200 PSI	_		
1 7/8 oz	Longshot	Fed. 209A	WAA12L + 1–20 ga. .135" Card	37.0 gr/12,300 PSI	-		
1 7/8 oz	Longshot	Fed. 209A	WAA12SL + 1–20 ga. .135" Card	37.0 gr/12,500 PSI	_		



	12	GA., 31	2", FEDERA	L STEEL SHOTS	SHELLS (LEAD SHOT LOADS) CONT.
				1250 fps	1300 fps
1 7/8 oz	Longshot	Rem. 209P	Fed. 12S0 + 1–20 ga. .135" Card	37.8 gr/11,400 PSI	39.4 gr/13,300 PSI
1 7/8 oz	Longshot	Rem. 209P	WAA12L + 1–20 ga. .135" Card	37.3 gr/12,100 PSI	39.2 gr/13,400 PSI
1 7/8 oz	Longshot	Rem. 209P	WAA12SL + 1–20 ga. .135" Card	36.8 gr/12,400 PSI	39.0 gr/13,000 PSI
				1200 fps	
2 oz	Longshot	Fed. 209A	Fed. 12S3 + 1–20 ga. .135" Card	35.0 gr/12,900 PSI	
2 oz	Longshot	Fed. 209A	WAA12SL	34.8 gr/13,300 PSI	
2 oz	Longshot	Rem. 209P	Fed. 12S3 + 1–20 ga. .135" Card	35.5 gr/12,400 PSI	
2 oz	Longshot	Rem. 209P	WAA12SL	35.3 gr/12,300 PSI	
				1150 fps	
2 1/4 oz	Longshot	Fed. 209A	Fed. 12S3	32.0 gr/13,700 PSI	
2 1/4 oz	Longshot	Fed. 209A	Rem. RXP	31.0 gr/13,200 PSI	
2 1/4 oz	Longshot	Fed. 209A	WAA12	31.0 gr/13,700 PSI	
2 1/4 oz	Longshot	Rem. 209P	Fed. 12S3	33.0 gr/12,900 PSI	<u> </u>
2 1/4 oz	Longshot	Rem. 209P	Rem. RXP	33.0 gr/12,600 PSI	
2 1/4 oz	Longshot	Rem. 209P	WAA12	33.0 gr/13,400 PSI	<u> </u>

	1	2 GA., 3	1/2", REMIN	IGTON STEEL SHOTSHELLS (LEAD SHOT LOADS)
				1250 fps
1 7/8 oz	Longshot	Fed. 209A	Fed. 12S0 + 1–20 ga. .135" Card	36.0 gr / 13,600 PSI
1 7/8 oz	Longshot	Fed. 209A	Rem. TGT12 + 1–20 ga. .135" Card	36.0 gr / 13,200 PSI
1 7/8 oz	Longshot	Fed. 209A	WAA12SL + 1–20 ga. .135" Card	36.1 gr / 13,000 PSI
1 7/8 oz	Longshot	Rem. 209P	Fed. 12S0 + 1–20 ga. .135" Card	36.4 gr / 13,000 PSI
1 7/8 oz	Longshot	Rem. 209P	Rem. TGT12 + 1–20 ga. .135" Card	36.0 gr / 13,100 PSI
1 7/8 oz	Longshot	Rem. 209P	WAA12SL + 1–20 ga. .135" Card	36.5 gr / 13,200 PSI
				1200 fps
2 oz	Longshot	Fed. 209A	Rem. TGT12	33.8 gr / 13,000 PSI
2 oz	Longshot	Rem. 209P	Fed. 12S3 + 1–20 ga. .135" Card	34.0 gr / 13,300 PSI
2 oz	Longshot	Rem. 209P	Rem. TGT12	34.0 gr / 13,300 PSI



	12 Ga., 3 1/2", REMINGTON STEEL SHOTSHELLS (LEAD SHOT LOADS) CONT.									
				1150 fps	1175 fps					
2 1/4 oz	Longshot	Fed. 209A	Fed. 12S3	29.4 gr / 13,100 PSI	29.9 gr / 13,600 PSI					
2 1/4 oz	Longshot	Fed. 209A	Rem. RXP	29.3 gr / 13,300 PSI	30.0 gr / 13,900 PSI					
2 1/4 oz	Longshot	Fed. 209A	WAA12	29.5 gr / 13,600 PSI	_					
2 1/4 oz	Longshot	Rem. 209P	Rem. RXP	31.0 gr / 13,700 PSI	_					
2 1/4 oz	Longshot	Rem. 209P	WAA12	30.0 gr / 13,000 PSI	30.9 gr / 13,500 PSI					

				g	*
	1	2GA., 3	1/2", WINCH	ESTER STEEL S	HOTSHELLS (LEAD SHOT LOADS)
				1250 fps	1300 fps
1 7/8 oz	Longshot	Fed. 209A	Fed. 12S3 + 1–20 ga. .135" Card	35.5 gr / 13,400 PSI	-
1 7/8 oz	Longshot	Fed. 209A	WAA12 + 1–20 ga. .135" Card	35.9 gr / 13,000 PSI	-
1 7/8 oz	Longshot	Fed. 209A	WAA12SL + 1–20 ga. .135" Card	37.0 gr / 12,800 PSI	_
1 7/8 oz	Longshot	Win. 209	Fed. 12S3 + 1–20 ga. .135" Card	37.9 gr / 11,200 PSI	39.5 gr / 12,400 PSI
1 7/8 oz	Longshot	Win. 209	WAA12 + 1–20 ga. .135" Card	37.2 gr / 11,900 PSI	39.8 gr / 13,100 PSI
1 7/8 oz	Longshot	Win. 209	WAA12SL + 1–20 ga. .135" Card	38.6 gr / 11,100 PSI	_
				1200 fps	
2 oz	Longshot	Fed. 209A	Fed. 12S3 + 1–20 ga. .135" Card	34.2 gr / 13,400 PSI	
2 oz	Longshot	Fed. 209A	WAA12 + 1–20 ga. .135" Card	35.0 gr / 13,200 PSI	
2 oz	Longshot	Win. 209	Fed. 12S3 + 1–20 ga. .135" Card	38.0 gr / 11,300 PSI	
2 oz.	Longshot	Win. 209	WAA12 + 1–20 ga. .135" Card	36.0 gr / 12,800 PSI	
				1150 fps	
2 1/4 oz	Longshot	Rem. 209P	Fed. 12S4 + 1–20 ga. .135" Card	31.0 gr / 13,500 PSI	
2 1/4 oz	Longshot	Rem. 209P	Rem. R12H + 1–20 ga. .135" Card	31.5 gr / 12,400 PSI	
2 1/4 oz	Longshot	Rem. 209P	WAA12F114 + 1–20 ga. .135" Card	32.0 gr / 14,000 PSI	
2 1/4 oz	Longshot	Win. 209	Fed. 12S4	31.5 gr / 13,300 PSI	
2 1/4 oz	Longshot	Win. 209	Rem. R12H + 1–20 ga. .135" Card	32.0 gr / 13,200 PSI	
2 1/4 oz	Longshot	Win. 209	WAA12F114 + 1–20 ga. .135" Card	32.0 gr / 12,600 PSI	
			.135" Card		



POWDER PRIMER WAD CHARGE/PRESSURE 16 GA., 2 3/4", FEDERAL HI POWER PLASTIC PAPER BASE WAD SHELLS 1165 fps 1220 fps 1275 fps Universal CCI 209M Activ G-28 21.5 gr / 7,500 PSI 22.5 gr / 8,200 PSI 24.2 gr / 9,000 PSI BPG/BP 1 oz Universal Fed. 209A 21.0gr / 7,400 PSI 22.0 gr / 8,200 PSI 23.5 gr / 9,200 PSI Universal Win. 209 WAA16 20.7 gr / 7,600 PSI 22.3 gr / 8,200 PSI 23.5 gr / 8,900 PSI 1 07 16 GA., 2 3/4", REMINGTON SP PLASTIC SHELLS 1165 fps 1220 fps 1275 fps Universal CCI 209M BPG/BP 19.5 gr / 8,400 PSI 20.5 gr / 9,600 PSI 21.5 gr / 10,300 PSI 1 07 Universal Win. 209 REM. SP16 18.5 gr / 8,800 PSI 19.8 gr / 9,900 PSI 20.5 gr / 10,400 PSI 19.5 gr / 9,900 PSI 1 07 Universal Win. 209 WAA16 18.5 gr / 9,000 PSI 20.5 gr / 10,400 PSI 2 3/4" WINCHESTER COMPRESSION-FORMED SHELLS 16 GA 1165 fps 1220 fps 1275 fps Universal Win. 209 BPG/BP 19.5 gr / 9,100 PSI 20.0 gr / 10,000 PSI 21.0 gr / 10,700 PSI 1 oz Universal Win. 209 WAA16 19.0 gr / 9,200 PSI 20.0 gr / 10,300 PSI 20.7 gr / 11,000 PSI 1 07 HS-6 23.5 gr / 8,200 LUP 1 07 CCI 209 WAA16 24.5 gr / 8,800 LUP HS-6 1 oz Win. 209 WAA16 23.0 gr / 8,500 LUP 24.0 gr / 9,300 LUP HS-7 Win. 209 WAA16 25.0 gr / 8,400 LUP 26.5 gr / 9,100 LUP 1 07 1185 fps 1240 fps 1 1/8 oz HS-6 Win. 209 WAA16 24.5 gr / 10,600 LUP Rem. SP16 27.5 gr / 9,400 LUP 1 1/8 oz HS-6 Win. 209 26.5 gr / 8,600 LUP 27.0 gr / 10,700 LUP 1 1/8 oz HS-7 Win. 209 WAA16 26.0 gr / 10,100 LUP 20 GA.. 23/4", CHEDDITE PLASTIC SHELLS 1200 fps 1225 fps 1250 fps 7/8 07 Universal Ched.209 Fed. 20S1 17.0 gr / 8,900 PSI 17.5 gr / 9,600 PSI 18.1 gr / 10,000 PSI Universal Ched 209 G/BP20 18.0 gr / 9,100 PSI 18.3 gr / 9,700 PSI 18.6 gr / 9,900 PSI 7/8 07 7/8 oz Universal Fio. 616 Fed. 20S1 16.7 gr / 9,200 PSI 17.1 gr / 9,700 PSI 17.5 gr / 10,300 PSI 7/8 07 Universal Fio. 616 G/BP20 17.0 gr / 9,500 PSI 17.5 gr / 9,700 PSI 18.0 gr / 10,200 PSI 1300 fps 1350 fps 1400 fps 1450 fps 7/8 oz Longshot Ched.209 Fed. 20S1 21.4 gr / 9,000 PSI 22.6 gr / 9,800 PSI 23.7 gr / 10,600 PSI 24.9 gr / 11,500 PSI Longshot Ched.209 Rem. RXP20 21.3 gr / 7,800 PSI 22.5 gr / 8,700 PSI 23.6 gr / 9,400 PSI 7/8 07 24.8 gr / 10,300 PSI Longshot Fed. 20S1 20.7 gr / 8,700 PSI 21.7 gr / 9,400 PSI 22.8 gr / 10,200 PSI 23.8 gr / 10,900 PSI 7/8 oz Fio. 616 Rem. RXP20 22.3 gr / 9,900 PSI 7/8 oz Longshot Fio. 616 21.1 gr / 9,100 PSI 23.4 gr / 10,700 PSI 24.6 gr / 11,500 PSI 1165 fps 1220 fps 1275 fps Longshot Fed. 20S1 19.0 gr / 10,000 PSI 1 oz Ched.209 17.8 gr / 9,200 PSI 20.2 gr / 10,900 PSI Longshot Ched.209 WAA20 17.5 gr / 8,300 PSI 19.0 gr / 9,600 PSI 20.5 gr / 10,900 PSI 1 07 20 GA., 2 3/4", FEDERAL PLASTIC TARGET SHELLS 1200 fps 1225 fps 1250 fps 7/8 oz Internat'l CCI 209SC Fed. 20S1 15.0 gr / 11,100 PSI 15.6 gr / 11,800 PSI Internat'l CCI 209SC PC20 7/8 oz 14.7 gr / 10,400 PSI Internat'l CCI 209SC Rem. RXP20 14.5 gr / 10,000 PSI 15.5 gr / 10,700 PSI 7/8 07 Internat'l CCL 209SC WAA20F1 14.7 gr / 10,300 PSI 15.3 gr / 11,600 PSI 7/8 oz CCI 209SC 15.5 gr / 11,800 PSI 7/8 oz Internat'l Windjammer 15.0 gr / 10,700 PSI Internat'l Fed. 20S1 7/8 07 Fed. 209A 14.5 gr / 11,500 PSI 7/8 oz Internat'l Fed. 209A Rem. RXP20 14.7 gr / 11,100 PSI 7/8 07 Internat'l Fed. 209A WAA20F1 14.5 gr / 11,500 PSI



		20 (	SA., 23/4",	FEDERAL PLAS	TIC TARGET SHE	LLS CONT.	
				1200 fps	1225 fps	1250 fps	
7/8 oz	Internat'l	Fed. 209A	Windjammer	14.5 gr / 11,300 PSI	14.9 gr / 12,000 PSI		
7/8 oz	Internat'l	Rem. 209P	Fed. 20S1	15.3 gr / 10,700 PSI			
7/8 oz	Internat'l	Rem. 209P	WAA20F1	15.0 gr / 10,200 PSI	15.5 gr / 11,300 PSI	16.0 gr / 11,500 PSI	
7/8 oz	Internat'l	Rem. 209P	Windjammer	15.3 gr / 10,700 PSI	16.0 gr / 11,400 PSI		
7/8 oz	Internat'l	Win. 209	Fed. 20S1	14.6 gr / 11,400 PSI	_		
7/8 oz	Internat'l	Win. 209	PC20	15.0 gr / 11,200 PSI			
7/8 oz	Internat'l	Win. 209	Rem. RXP20	14.7 gr / 10,200 PSI	15.3 gr / 11,300 PSI		
7/8 oz	Internat'l	Win. 209	WAA20F1	14.5 gr / 10,500 PSI	15.1 gr / 11,500 PSI	_	
7/8 oz	Internat'l	Win. 209	Windjammer	14.5 gr / 10,800 PSI	_	_	
7/8 oz	Universal	CCI 209SC	Fed. 20S1	17.0 gr / 9,500 PSI	17.6 gr / 10,100 PSI	_	
7/8 oz	Universal	CCI 209SC	PC20	17.5 gr / 9,500 PSI	_	_	
7/8 oz	Universal	CCI 209SC	Rem. RXP20	17.5 gr / 9,000 PSI	18.0 gr / 9,800 PSI	18.5 gr / 10,000 PSI	
7/8 oz	Universal	CCI 209SC	WAA20F1	17.2 gr / 9,200 PSI	17.7 gr / 9,500 PSI	18.0 gr / 10,000 PSI	
7/8 oz	Universal	CCI 209SC	Windjammer	17.0 gr / 9,500 PSI	17.6 gr / 9,800 PSI	18.2 gr / 10,300 PSI	
7/8 oz	Universal	Fed. 209A	Fed. 20S1	16.7 gr / 10,000 PSI	17.0 gr / 10,700 PSI	_	
7/8 oz	Universal	Fed. 209A	PC20	17.0 gr / 10,000 PSI	_	_	
7/8 oz	Universal	Fed. 209A	Rem. RXP20	17.0 gr / 9,800 PSI	17.7 gr / 10,200 PSI	18.0 gr / 10,400 PSI	
7/8 oz	Universal	Fed. 209A	WAA20F1	17.0 gr / 10,100 PSI	17.5 gr / 10,500 PSI	17.8 gr / 10,800 PSI	
7/8 oz	Universal	Fed. 209A	Windjammer	17.0 gr / 9,600 PSI	17.5 gr / 10,300 PSI	18.0 gr / 10,800 PSI	
7/8 oz	Universal	Rem. 209P	Fed. 20S1	18.0 gr / 9,300 PSI	_	_	
7/8 oz	Universal	Rem. 209P	Rem. RXP20	18.5 gr / 8,400 PSI	19.0 gr / 9,100 PSI	_	
7/8 oz	Universall	Rem. 209P	WAA20F1	17.8 gr / 8,700 PSI	18.3 gr / 9,500 PSI	_	
7/8 oz	Universal	Rem. 209P	Windjammer	18.0 gr / 8,900 PSI	18.5 gr / 9,400 PSI	_	
7/8 oz	Universal	Win. 209	Fed. 20S1	17.4 gr / 9,600 PSI	18.0 gr / 10,300 PSI	_	
7/8 oz	Universal	Win. 209	PC20	17.5 gr / 9,400 PSI	_	_	
7/8 oz	Universal	Win. 209	Rem. RXP20	17.5 gr / 9,300 PSI	18.2 gr / 9,800 PSI	_	
7/8 oz	Universal	Win. 209	WAA20	17.0 gr / 9,300 PSI	17.5 gr / 9,900 PSI	18.0 gr / 10,200 PSI	
7/8 oz	Universal	Win. 209	WAA20F1	17.0 gr / 10,000 PSI	17.4 gr / 10,200 PSI	17.9 gr / 10,400 PSI	
7/8 oz	Universal	Win. 209	Windjammer	17.5 gr / 9,200 PSI	18.2 gr / 9,900 PSI	18.5 gr / 10,400 PSI	
				1300 fps	1350 fps	1400 fps	1450 fps
7/8 oz	Longshot	CCI209M	Fed. 20S1	20.5 gr / 8,900 PSI	21.5 gr / 9,800 PSI	22.6 gr / 10,900 PSI	—
7/8 oz	Longshot	CCI209M	Rem. RXP20	21.1 gr / 8,500 PSI	22.1 gr / 9,200 PSI	23.2 gr / 9,900 PSI	24.2 gr /10,700 PSI
7/8 oz	Longshot	CCI209M	WAA20	21.0 gr / 8,700 PSI	21.7 gr / 9,700 PSI	22.3 gr / 10,600 PSI	
7/8 oz	Longshot	Fed. 209A	Fed. 20S1	20.3 gr / 9,300 PSI	21.3 gr / 10,200 PSI	22.3 gr / 11,100 PSI	
7/8 oz	Longshot	Fed. 209A	Rem. RXP20	20.5 gr / 8,800 PSI	21.6 gr / 9,800 PSI	22.7 gr / 10,700 PSI	23.8 gr / 11,800 PSI
7/8 oz	Longshot	Fed. 209A	WAA20	20.6 gr / 8,900 PSI	21.7 gr / 9,800 PSI	22.8 gr / 10,600 PSI	23.9 gr / 11,400 PSI
7/8 oz	Longshot	Rem. 209P	Fed. 20S1	20.6 gr / 8,800 PSI	21.7 gr / 9,700 PSI	22.8 gr / 10,500 PSI	24.0 gr / 11,900 PSI
7/8 oz	Longshot	Rem. 209P	Rem. RXP20	22.5 gr / 8,200 PSI	23.2 gr / 9,000 PSI	23.9 gr / 9,700 PSI	24.5 gr /10,400 PSI
7/8 oz	Longshot	Rem. 209P	WAA20	20.8 gr / 8,600 PSI	21.9 gr / 9,400 PSI	22.9 gr / 10,200 PSI	24.0 gr / 11,000 PSI
	Longshot	Win. 209	Fed. 20S1	21.5 gr / 8,100 PSI	22.6 gr / 8,900 PSI	23.7 gr / 9,700 PSI	25.0 gr / 11,000 PSI
7/8 oz	Longshot	Win. 209	Rem. RXP20		24.1 gr / 7,700 PSI	24.9 gr / 8,700 PSI	25.7 gr / 9,600 PSI
7/8 oz	Longshot	Win. 209	WAA20	22.3 gr / 7,500 PSI	23.3 gr / 8,300 PSI	24.3 gr / 9,200 PSI	25.7 gr / 4,000 PSI
110 02	Zorigshot	VVIII. 207	WANZU				23.0 gr / 10,000 P31
	110 (	001 0001	14/4 4 005	1165 fps	1220 fps	1250 fps	
1 oz	HS-6	CCI 209M	WAA20F1	21.5 gr / 9,800 PSI	23.0 gr / 11,200 PSI		
1 oz	HS-6	CCI 209M	REM SP20	21.3 gr / 10,000 PSI	22.5 gr / 10,800 PSI		
1 oz	HS-6	Fed. 209A	REM SP20	21.0 gr / 10,100 PSI	22.5 gr / 11,300 PSI		



**POWDER PRIMER** WAD CHARGE/PRESSURE 20 GA., 2 3/4", FEDERAL PLASTIC TARGET SHELLS CONT. 1165 fps 1220 fps 1250 fps 1 07 HS-6 Fed. 209A WAA20F1 21.0 gr / 9,700 PSI 22.5 gr / 11,200 PSI 1 oz HS-6 Win. 209 REM SP20 21.5 gr / 9,900 PSI 23.0 gr / 10,900 PSI 24.0 gr / 11,700 PSI HS-6 Win. 209 WAA20F1 21.5 gr / 10,100 PSI 23.0 gr / 11,700 PSI 1 07 1165 fps 1220 fps 1275 fps CCI 209M Fed. 20S1 Longshot 17.7 gr / 9,200 PSI 19.1 gr / 10,500 PSI 20.5 gr / 11,800 PSI 1 oz Longshot 1 oz CCI 209M Rem. SP20 19.5 gr / 10,400 PSI 20.6 gr / 11,800 PSI 1 07 Longshot CCI 209M WAA20F1 18.9 gr / 10,400 PSI 20.5 gr / 11,800 PSI 1 07 Longshot Fed. 209A Fed. 20S1 16.8 gr / 9,400 PSI 18.5 gr / 10,600 PSI 20.3 gr / 11,800 PSI 1 07 Longshot Fed. 209A Rem. SP20 17.4 gr / 9,400 PSI 18.9 gr / 10,500 PSI 20.4 gr / 11,700 PSI 1 oz Longshot Fed. 209A WAA20F1 17.7 gr / 9,100 PSI 18.9 gr / 10,100 PSI 20.2 gr / 11,200 PSI 1 oz Longshot Rem. 209P Fed. 20S1 17.7 gr / 8,700 PSI 19.0 gr / 10,100 PSI 20.2 gr / 11,400 PSI Rem. RXP20 19.8 gr / 9,600 PSI Longshot Rem. 209P 19.0 gr / 8,700 PSI 20.7 gr / 10,600 PSI 1 oz Longshot Rem. 209P WAA20F1 17.1 gr / 9,100 PSI 18.8 gr / 10,000 PSI 20.6 gr / 10,900 PSI 1 07 1 07 Longshot Win. 209 Fed. 20S1 18.6 gr / 9,000 PSI 19.7 gr / 9,900 PSI 20.9 gr / 10,800 PSI 1 oz Longshot Win. 209 Rem. RXP20 19.8 gr / 8,100 PSI 20.7 gr / 8,900 PSI 21.5 gr / 9,700 PSI Longshot WAA20F1 17.8 gr / 8,400 PSI 19.5 gr / 9,400 PSI 21.0 gr / 10,300 PSI 1 oz Win. 209 20 GA., 2 3/4". FIOCCHI AND PMC PLASTIC TARGET SHELLS (LOW BASE WAD) 1225 fps 1250 fps 1200 fps 7/8 oz Internat'l Fig. 616 Fed. 20S1 14.6 gr / 11,800 PSI 7/8 oz Internat'l Fio. 616 PC20 14.8 gr / 11,000 PSI 7/8 oz Internat'l Fig. 616 Rem. RXP 20 15.0 gr / 10,700 PSI Internat'l Fio. 616 WAA20 14.8 gr / 11,700 PSI 7/8 07 Internat'l Fig. 616 15.0 gr / 12,000 PSI 7/8 oz Windjammer 7/8 oz Universal Fio. 616 Fed. 20S1 16.6 gr / 9,800 PSI 17.0 gr / 10,600 PSI PC20 17.0 gr / 9,800 PSI 7/8 oz Universal Fig. 616 7/8 oz Universal Fio. 616 Rem. RXP 20 17.3 gr / 9,100 PSI 18.0 gr / 9,800 PSI 7/8 07 Universal Fio. 616 WAA20 17.0 gr / 9,300 PSI 17.6 gr / 9,800 PSI 18.0 gr / 10.000 PSI 7/8 oz Universal Fig. 616 Windjammer 17.5 gr / 9,400 PSI 17.8 gr / 9,900 PSI 18.0 gr / 10,200 PSI 7/8 oz Universal Ched. 209 Fed. 20S1 17.5 gr / 9,400 PSI 18.0 gr / 9,300 PSI Rem. RXP 20 7/8 oz Universal Ched. 209 18.5 gr / 8,700 PSI 7/8 oz Universal Ched. 209 WAA20 18.0 gr / 9,000 PSI 1300 fps 1350 fps 1400 fps 1450 fps 7/8 oz Longshot Ched.209 Fed. 20S1 20.7 gr / 9,300 PSI 21.8 gr / 9,300 PSI 23.0 gr / 10,200 PSI 24.1 gr / 11,000 PSI 7/8 oz Longshot Ched.209 Rem. RXP20 22.0 gr / 9,200 PSI 23.5 gr / 10,500 PSI 24.8 gr / 11,600 PSI 7/8 oz Longshot Fig. 616 Fed. 20S1 21.2 gr / 9,100 PSI 22.2 gr / 10,400 PSI 23.2 gr / 11,600 PSI 7/8 07 Longshot Fio. 616 Rem. RXP20 22.0 gr / 9,100 PSI 23.2 gr / 10,000 PSI 24.3 gr / 10,800 PSI 1165 fps 1220 fps 1275 fps 18.0 gr / 8,900 PSI 1 oz Longshot Fig. 616 Fed. 20S1 19.2 gr / 10,000 PSI 20.4 gr / 11,200 PSI Longshot 19.4 gr / 9,900 PSI 20.5 gr / 10,800 PSI 1 oz Fio. 616 WAA20 18.3 gr / 9,000 PSI 20 GA., 2 3/4", REMINGTON RXP, PREMIER AND STS PLASTIC SHELLS 1200 fps 1250 fps 1150 fps CCI 209M 12.2 gr / 9,400 PSI 13.0 gr / 10,800 PSI 3/4 oz Internat'l PC20 CCI 209M **ΜΔΔ20** 12.0 gr / 9,200 PSI 13.1 gr / 10,700 PSI 3/4 oz Internat'l 3/4 oz Internat'l Rem. 209P PC20 12.5 gr / 8,400 PSI 13.7 gr / 9,500 PSI



				1150 fps	1200 fps	1250 fps
ΟZ	Internat'l	Rem. 209P	WAA20	12.5 gr / 8,600 PSI	13.6 gr / 10,600 PSI	_
ΟZ	Internat'l	Win. 209	PC20	12.5 gr / 9,000 PSI	13.2 gr / 10,200 PSI	14.2 gr / 11,800 PSI
ΟZ	Internat'l	Win. 209	WAA20	12.0 gr / 9,000 PSI	13.2 gr / 10,400 PSI	_
				1200 fps	1225fps	1250 fps
OZ	Internat'l	Rem. 209P	RXP20	14.0 gr / 10,700 PSI	_	—
OZ	Internat'l	Win. 209	PC20	14.0 gr / 11,000 PSI	_	_
OZ	Internat'l	Win. 209	WAA20	14.0 gr / 11,900 PSI	_	_
OZ	Universal	CCI 209SC	Fed. 20S1	15.2 gr / 10,700 PSI	15.6 gr / 11,500 PSI	_
OZ	Universal	CCI 209SC	Rem. RXP 20	15.5 gr / 10,400 PSI	16.0 gr / 11,000 PSI	16.4 gr / 11,300 PSI
OZ	Universal	CCI 209SC	WAA20F1	15.4 gr / 10,700 PSI	15.9 gr / 10,900 PSI	16.2 gr / 11,900 PSI
oz	Universal	CCI 209SC	Windjammer	15.4 gr / 10,700 PSI	15.8 gr / 11,400 PSI	
OZ	Universal	Fed. 209A	Fed. 20S1	15.0 gr / 11,900 PSI		_
ΟZ	Universal	Fed. 209A	Rem. RXP 20	15.4 gr / 10,700 PSI	15.9 gr / 11,300 PSI	_
oz	Universal	Fed. 209A	WAA20F1	15.0 gr / 11,200 PSI	15.5 gr / 12,000 PSI	
oz	Universal	Rem. 209P	Fed. 20S1	16.0 gr / 10,700 PSI	16.2 gr / 11,100 PSI	16.5 gr / 11,400 PSI
oz	Universal	Rem. 209P	Rem. RXP 20	15.8 gr / 9,900 PSI	16.7 gr / 10,700 PSI	_
OZ.	Universal	Rem. 209P	WAA20F1	15.6 gr / 10,500 PSI	16.0 gr / 11,000 PSI	16.5 gr / 11,200 PSI
OZ	Universal	Rem. 209P	Windjammer	16.0 gr / 10,600 PSI	16.5 gr / 11,200 PSI	—
OZ	Universal	Win. 209	Fed. 20S1	15.5 gr / 10,800 PSI	16.0 gr / 11,500 PSI	
OZ	Universal	Win. 209	Rem. RXP 20	16.0 gr / 10,400 PSI	16.7 gr / 11,400 PSI	
OZ	Universal	Win. 209	Windjammer	16.0 gr / 10,800 PSI	16.5 gr / 11,500 PSI	
OL.	Oniversal	VIII. 207	vviilajaminei	_ ·		4050.5
	1	00120014	FI 2001	1250 fps	1300 fps	1350 fps
OZ	Longshot	CCI209M	Fed. 20S1	16.9 gr / 10,400 PSI	18.0 gr / 11,600 PSI	
OZ	Longshot	CCI209M	PC20	17.7 gr / 9,500 PSI	18.4 gr / 10,600 PSI	19.6 gr / 12,000 PSI
OZ	Longshot	CCI209M	Rem. RXP20	17.7 gr / 9,500 PSI	18.7 gr / 10,800 PSI	19.6 gr / 12,000 PSI
OZ	Longshot	CCI209M	WAA20	17.0 gr / 10,700 PSI	18.1 gr / 11,700 PSI	
OZ	Longshot	CCI209M	Windjammer	17.3 gr / 10,000 PSI	18.1 gr / 11,300 PSI	
OZ	Longshot	Fed. 209A	Fed. 20S1	17.5 gr / 10,800 PSI	18.3 gr / 12,000 PSI	
OZ	Longshot	Fed. 209A	PC20	17.6 gr / 10,200 PSI	18.6 gr / 11,200 PSI	
OZ	Longshot	Fed. 209A	Rem. RXP20	17.6 gr / 10,100 PSI	18.6 gr / 11,200 PSI	_
OZ	Longshot	Fed. 209A	WAA20	17.1 gr / 10,600 PSI	18.3 gr / 11,700 PSI	_
ΟZ	Longshot	Fed. 209A	Windjammer	17.2 gr / 10,400 PSI	18.5 gr / 11,900 PSI	_
ΟZ	Longshot	Rem. 209P	Fed. 20S1	17.5 gr / 10,200 PSI	18.4 gr / 11,600 PSI	
OZ	Longshot	Rem. 209P	PC20	17.7 gr / 9,500 PSI	18.8 gr / 10,700 PSI	19.9 gr / 11,900 PSI
OZ	Longshot	Rem. 209P	Rem. RXP20	17.6 gr / 9,600 PSI	18.9 gr / 11,200 PSI	_
OZ	Longshot	Rem. 209P	WAA20	17.3 gr / 10,300 PSI	18.5 gr / 11,800 PSI	_
OZ	Longshot	Rem. 209P	Windjammer	17.8 gr / 10,100 PSI	18.9 gr / 11,200 PSI	
OZ	Longshot	Win. 209	PC20	18.8 gr / 8,700 PSI	19.8 gr / 10,100 PSI	20.7 gr / 11,300 PSI
OZ	Longshot	Win. 209	Rem. RXP20	18.2 gr / 9,100 PSI	19.4 gr / 10,300 PSI	20.6 gr / 11,500 PSI
OZ	Longshot	Win. 209	WAA20	17.9 gr / 9,900 PSI	19.0 gr / 11,200 PSI	
OZ	Longshot	Win. 209	Windjammer	18.4 gr / 9,000 PSI	19.4 gr / 10,500 PSI	20.3 gr / 12,000 PSI
OZ	Longshot	Win. 209	Fed. 20S1	18.1 gr / 10,000 PSI	19.1 gr / 11,100 PSI	20.1 gr / 12,000 PSI
				1165 fps	1220 fps	
ΟZ	HS-6	CCI 209	Rem. SP 20	20.5 gr / 11,500 PSI	_	



20 GA., 2 3/4", REMINGTON RXP, PREMIER AND STS PLASTIC SHELLS CONT.								
	200	a., 20,1	, ILLIVIII	1165 fps	1220 fps			
1 oz	HS-6	CCI 209	Windjammer	19.6 gr / 11,200 PSI	_			
1 oz	HS-6	CCI 209M	Fed. 20S1	19.5 gr / 11,600 PSI	_			
1 oz	HS-6	CCI 209M	WAA20F1	19.7 gr / 11,300 PSI				
1 oz	HS-6	Fed. 209A	Rem. SP 20	19.5 gr / 11,400 PSI	_			
1 oz	HS-6	Fed. 209A	WAA20F1	19.5 gr / 11,100 PSI	_			
1 oz	HS-6	Rem. 209P	Fed. 20S1	20.0 gr / 10,900 PSI	_			
1 oz	HS-6	Rem. 209P	WAA20F1	20.4 gr / 10,900 PSI	21.6 gr / 11,700 PS			
1 oz	HS-6	Rem. 209P	Windjammer	20.8 gr / 10,900 PSI	_			
1 oz	HS-6	Win. 209	Fed. 20S1	19.7 gr / 11,500 PSI	_			
1 oz	HS-6	Win. 209	Rem. SP 20	20.0 gr / 11,200 PSI	_			
1 oz	HS-6	Win. 209	WAA20F1	20.3 gr / 11,200 PSI	_			
1 oz	HS-6	Win. 209	Windjammer	20.0 gr / 11,200 PSI	_			
1 oz	Longshot	CCI 209M	Rem. SP20	16.5 gr / 11,700 PSI	_			
1 oz	Longshot	CCI 209M	WAA20F1	16.5 gr / 11,000 PSI	_			
1 oz	Longshot	Fed. 209A	WAA20F1	15.9 gr / 11,200 PSI	16.5 gr / 12,000 PSI			
1 oz	Longshot	Rem. 209P	Rem. SP20	16.0 gr / 11,100 PSI	_			
1 oz	Longshot	Rem. 209P	WAA20F1	15.9 gr / 10,900 PSI	17.3 gr / 12,000 PSI			
1 oz	Longshot	Win. 209	Rem. SP20	16.0 gr / 10,400 PSI	17.8 gr / 12,000 PSI			
1 oz	Longshot	Win. 209	WAA20F1	16.3 gr / 9,900 PSI	18.0 gr / 12,000 PSI			
					·			

				1150 fps	SSION-FORMED 1200 fps	1250 fps	
/4 oz	Internat'l	CCI 209M	Fio. 20	12.2 gr / 9,700 PSI	13.0 gr / 10,800 PSI		
3/4oz	Internat'l	CCI 209M	PC20	12.3 gr / 10,200 PSI	13.1 gr / 11,900 PSI	_	
3/4oz	Internat'l	CCI 209M	WAA20	12.1 gr / 10,100 PSI	12.7 gr / 11,500 PSI	_	
3/4oz	Internat'l	Rem. 209P	Fio. 20	12.8 gr / 8,100 PSI	13.8 gr / 10,200 PSI	14.5 gr / 10,900 PSI	
3/4oz	Internat'l	Rem. 209P	PC20	12.5 gr / 9,000 PSI	14.0 gr / 10,900 PSI	_	
3/4oz	Internat'l	Rem. 209P	WAA20	12.1 gr / 9,000 PSI	13.2 gr / 10,500 PSI	_	
3/4oz	Internat'l	Win. 209	Fio. 20	12.3 gr / 9,000 PSI	12.9 gr / 10,500 PSI	14.0 gr / 11,800 PSI	
3/4oz	Internat'l	Win. 209	PC20	12.2 gr / 10,400 PSI	13.0 gr / 11,300 PSI	_	
3/4oz	Internat'l	Win. 209	WAA20	12.0 gr / 10,100 PSI	13.0 gr / 11,700 PSI	_	
				1200 fps			
7/8 oz	Internat'l	Rem. 209P	Rem. RXP20	14.0 gr / 10,800 PSI			
7/8 oz	Internat'l	Win. 209	PC20	14.0 gr / 11,200 PSI			
7/8 oz	Internat'l	Win. 209	WAA20	14.0 gr / 11,800 PSI			
7/8 oz	Universal	CCI 209SC	Fed. 20S1	14.6 gr / 11,800 PSI			
7/8 oz	Universal	CCI 209SC	PC20	15.5 gr / 11,600 PSI			
7/8 oz	Universal	CCI 209SC	Rem. RXP20	15.3 gr / 11,100 PSI			
7/8 oz	Universal	CCI 209SC	WAA20F1	15.1 gr / 11,600 PSI			
7/8 oz	Universal	CCI 209SC	Windjammer	15.5 gr / 11,900 PSI			
7/8 oz	Universal	Fed. 209A	Fed. 20S1	14.3 gr / 12,000 PSI			
7/8 oz	Universal	Fed. 209A	PC20	14.7 gr / 11,900 PSI			
7/8 oz	Universal	Fed. 209A	Rem. RXP20	14.8 gr / 11,400 PSI			
7/8 oz	Universal	Fed. 209A	WAA20F1	14.6 gr / 12,000 PSI			
7/8 oz	Universal	Fed. 209A	Windjammer	15.8 gr / 11,700 PSI			
7/8 oz	Universal	Rem. 209P	Fed. 20S1	15.3 gr / 11,500 PSI			



	20 GA	l., 23/4",	WINCHEST	ER COMPRESSI	ON-FORMED AA	TYPE SHELLS CONT.
				1200 fps		
/8 oz	Universal	Rem. 209P	PC20	15.5 gr / 11,100 PSI		
/8 oz	Universal	Rem. 209P	Rem. RXP20	15.8 gr / 9,800 PSI		
/8 oz	Universal	Rem. 209P	WAA20F1	15.3 gr / 11,600 PSI		
/8 oz	Universal	Rem. 209P	Windjammer	16.0 gr / 11,700 PSI		
/8 oz	Universal	Win. 209	Fed. 20S1	14.7 gr / 12,000 PSI		
/8 oz	Universal	Win. 209	Rem. RXP20	15.0 gr / 11,000 PSI		
/8 oz	Universal	Win. 209	Windjammer	15.0 gr / 11,800 PSI		
/8 oz	Universal	Win. 209	WAA20	15.5 gr / 10,200 PSI		
				1250 fps	1300 fps	1350 fps
/8 oz	Longshot	CCI209M	Fed. 20S1	17.3 gr / 11,000 PSI	_	_
/8 oz	Longshot	CCI209M	PC20	17.4 gr / 11,000 PSI	18.5 gr / 11,800 PSI	_
8 oz	Longshot	CCI209M	Rem.RXP20	17.7 gr / 9,800 PSI	18.5 gr / 11,200 PSI	_
8 oz	Longshot	CCI209M	WAA20	17.2 gr / 10,900 PSI	18.0 gr / 11,900 PSI	_
3 oz	Longshot	CCI209M	Windjammer	17.6 gr / 10,700 PSI	18.4 gr / 12,000 PSI	
3 oz	Longshot	Fed. 209A	Fed. 20S1	17.5 gr / 11,800 PSI		
oz	Longshot	Fed. 209A	PC20	17.8 gr / 11,000 PSI	18.4 gr / 11,900 PSI	
oz	Longshot	Fed. 209A	Rem.RXP20	17.8 gr / 11,400 PSI	18.9 gr / 12,000 PSI	
oz	Longshot	Fed. 209A	WAA20	17.4 gr / 11,900 PSI	_	_
ΟZ	Longshot	Fed. 209A	Windjammer	17.4 gr / 11,200 PSI	18.5 gr / 12,000 PSI	_
OZ	Longshot	Rem. 209P	Fed. 20S1	17.6 gr / 10,800 PSI	18.5 gr / 12,000 PSI	_
oz	Longshot	Rem. 209P	PC20	17.9 gr / 10,900 PSI	18.6 gr / 11,600 PSI	_
OZ	Longshot	Rem. 209P	Rem.RXP20	17.7 gr / 10,400 PSI	18.7 gr / 11,400 PSI	_
OZ	Longshot	Rem. 209P	WAA20	17.2 gr / 11,100 PSI	18.4 gr / 11,800 PSI	_
oz	Longshot	Rem. 209P	Windjammer	17.9 gr / 10,700 PSI	18.5 gr / 11,900 PSI	_
oz	Longshot	Win. 209	Fed. 20S1	17.6 gr / 10,600 PSI	18.6 gr / 11,400 PSI	_
ΟZ	Longshot	Win. 209	PC20	18.3 gr / 9,600 PSI	19.4 gr / 10,600 PSI	20.5 gr / 11,600 PSI
oz	Longshot	Win. 209	Rem.RXP20	18.4 gr / 9,800 PSI	19.3 gr / 10,700 PSI	_
oz	Longshot	Win. 209	WAA20	17.8 gr / 10,600 PSI	18.6 gr / 11,700 PSI	_
ΟZ	Longshot	Win. 209	Windjammer	18.4 gr / 10,100 PSI	19.1 gr / 11,000 PSI	20.0 gr / 12,000 PSI
				1165 fps	1220 fps	1250 fps
z	HS-6	Rem. 209P	Rem. SP20	19.8 gr / 11,900 PSI	_	_
z	HS-6	Rem. 209P	WAA20F1	19.5 gr / 11,800 PSI	_	_
)Z	HS-6	Win. 209	WAA20F1	21.5 gr / 10,000 LUP	22.5 gr / 10,900 LUP	_
οz	HS-6	Win. 209	Rem. SP20	23.0 gr / 10,100 LUP	24.0 gr / 10,800 LUP	_
OZ	HS-7	Win. 209	Rem. SP20	23.5 gr / 9,400 LUP	24.5 gr / 10,600 LUP	_
				1165 fps	1220 fps	
οz	Longshot	CCI 209M	Rem. SP20	16.7 gr / 11,700 PSI	- 1220 ip3	
OZ	Longshot	CCI 209M	WAA20F1	15.5 gr / 11,900 PSI		
OZ	Longshot	Fed. 209A	WAA20F1	15.5 gr / 11,900 PSI		
OZ	Longshot	Rem. 209P	Rem. SP20	16.3 gr / 11,800 PSI		
OZ	Longshot	Rem. 209P	WAA20F1	15.8 gr / 11,800 PSI		
		Win. 209	Rem. SP20	16.5 gr / 10,700 PSI	18.1 gr / 12,000 PSI	
OZ	Longshot				5	



SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE

			20 GA.,	3", FEDERAL	PLASTIC SHELL:	S
				1175 fps	1230 fps	1285 fps
1 1/8 oz	Longshot	CCI 209M	Fed. 20S1	19.6 gr / 9,000 PSI	21.0 gr / 10,300 PSI	22.4 gr / 11,500 PSI
1 1/8 oz	Longshot	CCI 209M	Rem. RXP20	19.4 gr / 9,000 PSI	21.0 gr / 10,000 PSI	22.6 gr / 10,900 PSI
1 1/8 oz	Longshot	CCI 209M	WAA20	19.2 gr / 8,300 PSI	20.7 gr / 10,600 PSI	=
1 1/8 oz	Longshot	Fed. 209A	Fed. 20S1	19.3 gr / 9,300 PSI	20.6 gr / 10,900 PSI	21.9 gr / 12,000 PSI
1 1/8 oz	Longshot	Fed. 209A	Rem. RXP20	19.6 gr / 9,000 PSI	21.1 gr / 10,600 PSI	22.7 gr / 11,000 PSI
1 1/8 oz	Longshot	Fed. 209A	WAA20	19.6 gr / 9,700 PSI	20.7 gr / 10,900 PSI	_
1 1/8 oz	Longshot	Rem. 209P	Fed. 20S1	19.4 gr / 9,000 PSI	20.3 gr / 10,300 PSI	22.2 gr / 11,600 PSI
1 1/8 oz	Longshot	Rem. 209P	Rem. RXP20	19.5 gr / 8,600 PSI	21.1 gr / 9,900 PSI	22.7 gr / 11,200 PSI
1 1/8 oz	Longshot	Rem. 209P	WAA20	19.4 gr / 9,100 PSI	20.3 gr / 10,400 PSI	22.1 gr / 11,600 PSI
1 1/8 oz	Longshot	Win. 209	Fed. 20S1	20.6 gr / 8,200 PSI	21.7 gr / 9,500 PSI	22.7 gr / 10,600 PSI
1 1/8 oz	Longshot	Win. 209	Rem. RXP20	20.3 gr / 8,500 PSI	21.7 gr / 9,600 PSI	23.0 gr / 10,600 PSI
1 1/8 oz	Longshot	Win. 209	WAA20	19.6 gr / 8,800 PSI	21.0 gr / 10,100 PSI	22.4 gr / 11,300 PSI
				1185 fps	1240 fps	
1 1/4 oz	Longshot	CCI 209M	Fed. 20S1	20.2 gr / 11,300 PSI	_	
1 1/4 oz	Longshot	CCI 209M	Rem. RXP20	21.0gr / 11,000 PSI	_	
1 1/4 oz	Longshot	CCI 209M	WAA20F1	20.3 gr / 11,400 PSI	_	
1 1/4 oz	Longshot	Fed. 209A	Fed. 20S1	20.2 gr / 11,700 PSI	_	
1 1/4 oz	Longshot	Fed. 209A	Rem. RXP20	20.9 gr / 11,300 PSI	_	
1 1/4 oz	Longshot	Fed. 209A	WAA20F1	20.2 gr / 11,500 PSI	_	
1 1/4 oz	Longshot	Rem. 209P	Fed. 20S1	20.5 gr / 11,600 PSI	_	
1 1/4 oz	Longshot	Rem. 209P	Rem. RXP20	21.5 gr / 10,400 PSI	_	
1 1/4 oz	Longshot	Rem. 209P	WAA20F1	19.9 gr / 11,200 PSI	_	
1 1/4 oz	Longshot	Win. 209	Fed. 20S1	20.4 gr / 10,300 PSI	_	
1 1/4 oz	Longshot	Win. 209	Rem. RXP20	21.3 gr / 10,600 PSI	_	
1 1/4 oz	Longshot	Win. 209	WAA20F1	21.2 gr / 10,300 PSI	22.2 gr / 11,500 PSI	

		20 GA., 3'	, REMINGT	ON NITRO STEEL	. PLASTIC SHEL	LS (LEAD SHOT)
				1175 fps	1230 fps	1285 fps
1/8 oz	Longshot	CCI 209M	BP2 Trap Com.	19.5 gr / 10,100 PSI	20.5 gr / 11,100 PSI	_
1 1/8 oz	Longshot	Rem. 209P	BP2 Trap Com.	19.6 gr / 9,300 PSI	21.0 gr / 10,800 PSI	_
1 1/8 oz	Longshot	Win. 209	Fed. 20S1	20.1 gr / 8,500 PSI	21.4 gr / 9,800 PSI	22.7 gr / 11,100 PSI
1 1/8 oz	Longshot	Win. 209	Rem. RXP20	_	_	23.0 gr / 11,900 PSI
1/8 oz	Longshot	Win. 209	WAA20	20.0 gr / 8,900 PSI	21.4 gr / 10,200 PSI	22.7 gr / 11,500 PSI
				1185 fps	1240 fps	
1 1/4 oz	Longshot	CCI 209M	Fed. 20S1	20.0 gr / 12,000 PSI	_	
1 1/4 oz	Longshot	CCI 209M	PC20	20.1 gr / 11,300 PSI	_	
1 1/4 oz	Longshot	CCI 209M	Rem. RXP20	20.2 gr / 11,500 PSI	_	
1 1/4 oz	Longshot	CCI 209M	WAA20	20.0 gr / 11,500 PSI	_	
1 1/4 oz	Longshot	Rem. 209P	Fed. 20S1	20.5 gr / 10,900 PSI	_	
1 1/4 oz	Longshot	Rem. 209P	PC20	20.6 gr / 10,300 PSI	_	
1 1/4 oz	Longshot	Rem. 209P	RXP20	20.3 gr / 11,000 PSI	_	
1 1/4 oz	Longshot	Rem. 209P	WAA20	20.4 gr / 11,500 PSI	_	
1 1/4 oz	Longshot	Win. 209	Fed 20S1	20.5 gr / 11,500 PSI	_	
1 1/4 oz	Longshot	Win. 209	PC20	21.0 gr / 10,600 PSI	22.4 gr / 12,000 PSI	
1 1/4 oz	Longshot	Win. 209	Rem. RXP20	20.7 gr / 11,100 PSI	_	
1 1/4 oz	Longshot	Win. 209	WAA20	20.7 gr / 11,300 PSI	_	



POWDER **PRIMER** WAD CHARGE/PRESSURE 20 GA., 3", REMINGTON PREMIER PLASTIC SHELLS 1175 fps 1230 fps 1 1/8 oz Longshot CCI 209M PC20 17.6 gr / 11,400 PSI Longshot Rem. RXP20 1 1/8 oz CCI 209M 17.7 gr / 11,500 PSI Longshot Rem. 209P PC20 17.6 gr / 10,900 PSI 1 1/8 oz Rem. 209P Rem. RXP20 1 1/8 oz Longshot 17.7 gr / 11,500 PSI Longshot Rem. 209P WAA20 1 1/8 oz 17.6 gr / 12,000 PSI 1 1/8 oz Longshot Win. 209 Fed. 20S1 18.2 gr / 10,800 PSI 1 1/8 oz Longshot Win. 209 PC20 18.3 gr / 10,500 PSI 19.3 gr / 12,000 PSI Longshot Rem. RXP20 17.7 gr / 10,200 PSI 1 1/8 oz Win. 209 WAA20 1 1/8 oz Longshot Win. 209 18.1 gr / 11,400 PSI WINCHESTER COMPRESSION-FORMED SUPER-X TYPE SHELLS 20 GA., 3", 1175 fps 1230 fps Longshot Rem. 209P Rem. RXP20 18.4 gr / 11,200 PSI 1 1/8 oz 1 1/8 oz Longshot Rem. 209P WAA20 18.0 gr / 11,200 PSI 1 1/8 oz Longshot Win. 209 Fed. 20S1 18.7 gr / 10,400 PSI 1 1/8 oz Longshot Win. 209 Rem. RXP20 18.5 gr / 10,500 PSI 20.0 gr / 11,800 PSI 1 1/8 oz Longshot Win. 209 WAA20 18.6 gr / 10,900 PSI 19.5 gr / 12,000 PSI 1220 fps HS-7 27.0 gr / 11,200 LUP 1 1/8 07 Rem. 209P WAA20 HS-7 1 1/8 oz Win. 209 WAA20 27.0 gr / 11,100 LUP 1135 fps 1 1/4 oz HS-7 Rem. 209P WAA20 24.0 gr / 11,000 LUP 1 1/4 oz HS-7 Win. 209 WAA20 24.0 gr / 10,900 LUP 2 3/4". CHEDDITE PLASTIC SHELLS 28 GA 1225 fps 1250 fps 1200 fps 3/4 07 Universal Ched. 209 Fed. 28S1 14.5 gr / 11,000 PSI 14.9 gr / 11,800 PSI \_ 3/4 oz Universal Ched. 209 Rem. PT28 14.5 gr / 10,700 PSI 15.2 gr / 11,700 PSI 15.4gr / 12,300 PSI 3/4 oz Universal Fio. 616 Fed. 28S1 14.2 gr / 11,300 PSI 14.4 gr / 12,400 PSI Universal Fig. 616 Rem. PT28 14.2 gr / 11,400 PSI 14.5 gr / 12,400 PSI 3/4 07 1225 fps 1250 fps 1275 fps 1300 fps Fed. 28S1 3/4 oz Longshot Ched. 209 15.2 gr / 10,300 PSI 15.6 gr / 10,800 PSI 16.4 gr / 11,800 PSI 16.0 gr / 11,300 PSI Longshot Rem. PT28 15.5 gr / 10,100 PSI 3/4 oz Ched. 209 14.9 gr / 9,600 PSI 16.0 gr / 10,600 PSI 16.6 gr / 11,100 PSI 3/4 oz Longshot Fio. 616 Fed. 28S1 15.0 gr / 10,300 PSI 15.5 gr / 10,900 PSI 15.9 gr / 11,400 PSI 16.4 gr / 12,100 PSI 3/4 oz Longshot Fio. 616 Rem. PT28 15.1 gr / 9,400 PSI 15.6 gr / 10,000 PSI 16.1 gr / 10,500 PSI 16.6 gr / 11,100 PSI 1200 fps 13/16 oz Universal Ched. 209 Fed. 28S1 14.5 gr / 12,400 PSI 13/16 oz 14.7 gr / 12,500 PSI Universal Ched. 209 Rem. PT28 1200 fps 1225 fps 1250 fps 1275 fps 13/16 oz Longshot Ched. 209 Fed. 28S1 15.2 gr / 10,800 PSI 15.6 gr / 11,400 PSI 16.0 gr / 12,100 PSI Longshot Ched. 209 Rem. PT28 15.2 gr / 10,000 PSI 15.7 gr / 10,500 PSI 16.2 gr / 11,000 PSI 16.7 gr / 11,600 PSI 13/16 oz 13/16 oz Longshot Fio. 616 Fed. 28S1 15.0 gr / 10,900 PSI 15.5 gr / 11,700 PSI 16.0 gr / 12,500 PSI 13/16 oz Longshot Fio. 616 Rem. PT28 14.9 gr / 10.300 PSI 15.4 ar / 10.400 PSI 15.8 gr / 11.400 PSI 16.3 ar / 12.000 PSI



POWDER **PRIMER** WAD CHARGE/PRESSURE 28 GA., 2 3/4", FEDERAL PLASTIC TARGET SHELLS 1200 fps 1225 fps 1250 fps 3/4 oz Universal CCI 209SC Fed. 28S1 14.3 gr / 10,600 PSI 15.1 gr / 11,400 PSI 15.3 gr / 11,800 PSI 3/4 oz Universal CCI 209SC Rem. PT28 14.5 gr / 10,000 PSI 15.0 gr / 10,900 PSI 15.5 gr / 11,100 PSI Universal Fed. 209A Rem. PT28 14.2 gr / 11,400 PSI 3/4 07 Win. 209 Universal Fed. 28S1 14.5 gr / 10,700 PSI 15.0 gr / 11,500 PSI 15.5 gr / 12,400 PSI 3/4 oz 3/4 oz Universal Win. 209 PC28 14.8 gr / 10,700 PSI 15.2 gr / 11,300 PSI 15.6 gr / 11,900 PSI 3/4 07 Universal Win. 209 Rem. PT28 14.5 gr / 10,200 PSI 15.2 gr / 10,900 PSI 15.8 gr / 11,700 PSI 1225 fps 1250 fps 1275 fps 1300 fps 3/4 oz Longshot CCI209M Fed. 28S1 15.3 gr / 10,000 PSI 15.8 gr / 10,600 PSI 16.3 gr / 11,200 PSI 16.8 gr / 11,800 PSI 3/4 oz Rem. PT28 16.6 g/11,700 Longshot CCI209M 15.5 gr / 9,900 PSI 15.9 gr / 10,600 PSI 16.3 gr / 11,200 PSI PSI 3/4 oz Longshot Fed. 209A Fed. 28S1 15.2 gr / 11,000 PSI 15.6 gr / 11,600 PSI 15.9 gr / 12,000 PSI 3/4 oz Longshot Fed. 209A Rem. PT28 15.3 gr / 10,400 PSI 15.8 gr / 11,000 PSI 16.2 gr / 11,400 PSI 16.7 gr / 12,000 PSI 3/4 oz Longshot Rem. 209P Fed. 28S1 15.1 gr / 10,500 PSI 15.6 gr / 11,100 PSI 16.0 gr / 11,500 PSI 16.5 gr / 12,000 PSI Longshot Rem. 209P Rem. PT28 15.1 gr / 9,800 PSI 15.6 gr / 10,400 PSI 16.1 gr / 11,100 PSI 16.6 gr / 11,800 PSI 3/4 07 16.9 gr / 11,900 PSI 3/4 oz Longshot Win. 209 Fed. 28S1 15.7 gr / 10,200 PSI 16.1 gr / 10,800 PSI 16.5 gr / 11,400 PSI 3/4 oz Longshot Win. 209 Rem. PT28 15.8 gr / 9,600 PSI 16.2 gr / 10,000 PSI 16.6 gr / 10,400 PSI 17.0 gr / 10,800 PSI 1200 fps 1225 fps 1250 fps 13/16 07 Universal CCI 209SC Fed. 28S1 14.9 gr / 12,100 PSI 13/16 oz Universal CCI 209SC PC28 15.0 gr / 12,400 PSI Rem. PT28 13/16 07 Universal CCI 209SC 15.1 gr / 11,100 PSI 13/16 oz Universal Win. 209 Fed. 28S1 14.9 gr / 12,300 PSI 13/16 oz Universal Win. 209 PC28 14.9 gr / 12,000 PSI 13/16 oz Universal Win. 209 Rem. PT28 14.9 gr / 11,600 PSI 13/16 oz Longshot CCI209M Fed. 28S1 15.5 gr / 11,400 PSI Rem. PT28 13/16 07 Longshot CCI209M 15.3 gr / 10,600 PSI 15.8 gr / 11,300 PSI 16.5 gr / 12,000 PSI 13/16 oz Longshot Fed. 209A Fed. 28S1 14.9 gr / 11,900 PSI 15.4 gr / 12,500 PSI 13/16 oz Longshot Fed. 209A Rem. PT28 15.2 gr / 10,900 PSI 15.6 gr / 11,500 PSI 16.0 gr / 12,200 PSI 15.0 gr / 12,200 PSI 13/16 oz Longshot Rem. 209P Fed. 28S1 14.7 gr / 11,800 PSI Rem. 209P 13/16 oz Longshot Rem. PT28 15.5 gr / 11,000 PSI 15.9 gr / 11,400 PSI 16.3 gr / 11,800 PSI 13/16 oz Longshot Win. 209 Fed. 28S1 15.2 gr / 11,000 PSI 15.5 gr / 12,300 PSI 13/16 oz Longshot Win. 209 Rem. PT28 15.7 gr / 10,200 PSI 16.1 gr / 10,900 PSI 16.5 gr / 11,500 PSI HS-7 Rem. PT28 7/8oz Rem. 209P 19.5 gr / 10,900 PSI 7/8 oz HS-7 Win. 209 PC28 19.2 gr / 10,700 PSI 28 GA., 2 3/4", FIOCCHI PLASTIC TARGET SHELLS 1200 fps 1225 fps 1250 fps 3/4 07 Universal Fig. 616 Fed. 28S1 14.3 gr / 11,200 PSI 14.6 gr / 11,800 PSI 15.0 gr / 12,300 PSI 3/4 oz Universal Fio. 616 PC28 14.2 gr / 10,900 PSI 14.8 gr / 11,300 PSI 15.2 gr / 11,800 PSI Rem. PT28 14.2 gr / 10,600 PSI 14.8 gr / 11,000 PSI 15.1 gr / 11,900 PSI 3/4 07 Universal Fig. 616 1300 fps 1225 fps 1250 fps 1275 fps 3/4 oz Longshot Ched. 209 Fed. 28S1 14.9 gr / 10,200 PSI 15.4 gr / 10,900 PSI 15.9 gr / 11,600 PSI 16.5 gr / 12,300 PSI 3/4 oz Longshot Ched. 209 Rem. PT28 15.1 gr / 9,800 PSI 15.6 gr / 10,400 PSI 16.1 gr / 10,900 PSI 16.5 gr / 11,400 PSI Fed. 28S1 15.9 gr / 11,800 PSI 3/4 oz Longshot Fig. 616 15.1 gr / 10,700 PSI 15.5 gr / 11,300 PSI 16.2 gr / 12,300 PSI Longshot Fio. 616 Rem. PT28 15.6 gr / 10,400 PSI 16.1 gr / 11,000 PSI 16.6 gr / 11,500 PSI 15.2 gr / 10,000 PSI 3/4 07 Fed. 28S1 13/16 07 Universal Fig. 616 14.5 gr / 12,400 PSI PC28 13/16 oz Universal Fio. 616 14.5 gr / 12,100 PSI 13/16 oz Universal Fig. 616 Rem. PT28 15.0 gr / 11,900 PSI



**PRIMER** 

WAD

POWDER

28 GA., 2 3/4", FIOCCHI PLASTIC TARGET SHELLS CONT. 1200 fps 1225 fps 1250 fps 1275 fps 13/16 oz Longshot Ched. 209 Fed. 28S1 14.7 gr / 11,300 PSI 15.2 gr / 11,900 PSI 15.7 gr / 12,500 PSI 13/16 oz Longshot Ched. 209 Rem. PT28 15.3 gr / 10,700 PSI 15.6 gr / 11,100 PSI 16.0 gr / 11,700 PSI 16.5 gr / 12,300 PSI Longshot Fio. 616 Fed. 28S1 14.8 gr / 11,300 PSI 15.3 gr / 11,800 PSI 15.9 gr / 12,500 PSI 13/16 07 15.0 gr / 10,600 PSI Longshot Rem. PT28 15.4 gr / 11,200 PSI 15.8 gr / 11,800 PSI 16.2 gr / 12,400 PSI 13/16 oz Fio. 616 7/8 oz HS-7 Rem. 209P PC28 19.0 gr / 10,100 PSI 7/8 oz HS-7 Win. 209 Rem. PT28 19.5 gr / 11,100 PSI REMINGTON STS PLASTIC SHELLS 28 GA., 2 3/4", 1200 fps 3/4 oz Universal CCI 209SC PC28 13.6 gr / 12,200 PSI 3/4 oz Universal CCI 209SC Rem. PT28 13.8 gr / 12,100 PSI 3/4 oz Universal CCI 209SC WAA28 13.8 gr / 11,600 PSI Universal Fed. 209A WAA28 13.5 gr / 12,200 PSI 3/4 07 3/4 oz Universal 13.6 gr / 12,000 PSI Rem. 209P PC28 3/4 oz Universal Rem. 209P Rem. PT28 13.8 gr / 12,000 PSI Universal Rem. 209P WAA28 13.9 gr / 11,700 PSI 3/4 oz 3/4 oz Universal Win. 209 PC28 13.5 gr / 12,400 PSI 3/4 oz Universal Win. 209 Rem. PT28 13.8 gr / 12,100 PSI 3/4 oz Universal Win. 209 WAA28 13.8 gr / 11,500 PSI 3/4 oz HS-6 CCI 209SC Rem. PT28 17.0 gr / 10,900 PSI 3/4 oz HS-6 CCI 209SC WAA28 17.0 gr / 10,300 PSI HS-6 Fed. 209A Rem. PT28 16.7 gr / 11,700 PSI 3/4 07 16.7 gr / 11,000 PSI 3/4 oz HS-6 Fed. 209A WAA28 3/4 oz HS-6 Rem. 209P Rem. PT28 17.1 gr / 11,000 PSI 3/4 07 HS-6 Rem. 209P WAA28 17.1 gr / 10,400 PSI 3/4 oz HS-6 Win. 209 Rem. PT28 17.0 gr / 11,500 PSI 3/4 oz HS-6 Win. 209 WAA28 17.0 gr / 10,700 PSI 1225 fps 1250 fps 1275 fps 1300 fps 3/4 oz Longshot CCI209M PC 28 14.4 gr / 12,000 PSI 14.9 gr / 12,300 PSI 3/4 oz Longshot CCI209M Rem. PT28 14.1 gr / 11,100 PSI 14.6 gr / 11,900 PSI 3/4 oz Longshot CCI209M WAA28 14.4 gr / 11,500 PSI 14.9 gr / 11,900 PSI 15.4 gr / 12,400 PSI 3/4 07 Longshot Fed. 209A PC 28 14.3 gr / 12,000 PSI 3/4 oz Longshot Fed. 209A Rem. PT28 14.0 gr / 11,700 PSI 15.3 gr / 12,500 PSI 3/4 oz Longshot Fed. 209A WAA28 14.2 gr / 11,200 PSI 14.7 gr / 12,000 PSI Longshot Rem. 209P PC 28 14.5 gr / 11,200 PSI 15.0 gr / 11,800 PSI 15.5 gr / 12,300 PSI 3/4 oz 3/4 oz Longshot Rem. 209P Rem. PT28 14.3 gr / 11,300 PSI 14.9 gr / 12,000 PSI 15.4 gr / 12,500 PSI 3/4 oz Longshot Rem. 209P WAA28 14.3 gr / 11,000 PSI 14.8 gr / 11,600 PSI 15.2 gr / 12,000 PSI 15.6 gr /12,400 PSI 3/4 oz Longshot Win. 209 PC 28 14.9 gr / 10,900 PSI 15.4 gr / 11,600 PSI 15.8 gr / 12,100 PSI 3/4 oz Longshot Win. 209 Rem. PT28 14.7 gr / 10,900 PSI 15.3 gr / 11,300 PSI 15.9 gr / 11,900 PSI 16.4 gr / 12,300 PSI WAA28 14.5 gr / 10,700 PSI 15.1 gr / 11,200 PSI 15.6 gr / 11,600 PSI 3/4 oz Longshot Win. 209 16.2 gr / 12,200 PSI 28 GA., 2 3/4", WINCHESTER AA PLASTIC SHELLS 1200 fps 1225 fps 1250 fps 3/4 oz Universal CCI 209SC PC28 13.0 gr / 12,000 PSI Universal CCI 209SC Rem. PT28 13.2 gr / 12,200 PSI 3/4 07 3/4 07 Universal CCI 209SC WAA28 13.0 gr / 12,400 PSI 13.2 gr / 11,900 PSI 3/4 oz Universal Rem. 209P Rem. PT28

CHARGE/PRESSURE



**POWDER PRIMER** WAD CHARGE/PRESSURE 28 GA., 2 3/4", WINCHESTER AA PLASTIC SHELLS CONT. 1200 fps 1225 fps 1250 fps 3/4 oz Universal Win. 209 WAA28 13.0 gr / 10,800 PSI 3/4 oz Universal Win. 209 PC28 13.2 gr / 11,900 PSI 3/4 oz HS-6 CCI 209SC WAA28 16.6 gr / 11,500 PSI HS-6 Rem. 209P PC28 16.4 gr / 12,400 PSI 3/4 oz 3/4 oz HS-6 Rem. 209P WAA28 17.1 gr / 10,900 PSI 17.5 gr / 11,800 PSI 17.8 gr / 12,100 PSI 3/4 oz HS-6 Win. 209 Rem. PT28 16.7 gr / 12,000 PSI 3/4 oz HS-6 Win. 209 WAA28 17.1 gr / 10,900 PSI 17.5 gr / 11,600 PSI 17.9 gr / 12,300 PSI 1225 fps 1250 fps 1275 fps 3/4 oz Longshot CCI209M PC 28 14.1 gr / 12,200 PSI 3/4 oz Longshot CCI209M Rem. PT28 14.1 gr / 12,000 PSI 3/4 oz Longshot CCI209M WAA28 14.1 gr / 12,100 PSI PC 28 3/4 oz Longshot Fed. 209A 14.2 gr / 12,100 PSI 3/4 oz Longshot Fed. 209A Rem. PT28 14.4 gr / 12,300 PSI 3/4 oz Longshot Fed. 209A WAA28 14.0 gr / 11,900 PSI PC 28 3/4 oz Longshot Rem. 209P 14.0 gr / 12,300 PSI 3/4 oz Longshot Rem. PT28 Rem. 209P 14.2 gr / 11,300 PSI 14.6 gr / 12,200 PSI 3/4 oz Longshot Rem. 209P WAA28 14.2 gr / 11,900 PSI 3/4 oz Longshot Win. 209 PC 28 14.6 gr / 11,700 PSI 15.0 gr / 12,300 PSI 3/4 oz Longshot Win. 209 Rem. PT28 14.4 gr / 11,300 PSI 15.0 gr / 12,000 PSI 15.5 gr / 12,300 PSI 3/4 oz Longshot Win. 209 WAA28 14.3 gr / 11,300 PSI 15.1 gr / 12,100 PSI 410 BORE, 2 1/2", CHEDDITE PLASTIC SHELLS 1200 fps 1225 fps 1/2 oz LIL'GUN Ched. 209 Fed. 410SC 13.0 gr / 11,100 PSI 13.3 gr / 12,000 PSI 1/2 oz LIL'GUN Ched. 209 Rem. SP410 12.8 gr / 11,400 PSI 13.1 gr / 11,800 PSI 1/2 oz LIL'GUN Fed. 410SC Fig. 616 13.0 gr / 11,600 PSI 13.3 gr / 11,900 PSI 1/2 oz LIL'GUN Fio. 616 Rem. SP410 12.7 gr / 11,200 PSI 13.0 gr / 12,300 PSI 1/2 07 H110 Ched. 209 Fed. 410SC 15.7 gr / 8,700 PSI 16.0 gr / 9,900 PSI 1/2 oz H110 Ched. 209 Rem. SP410 15.5 gr / 8,800 PSI 15.7 gr / 9,800 PSI 2 1/2", FEDERAL TARGET SHELLS **410 BORE** 1200 fps 1/2 oz LIL'GUN Fed. 410SC CCI 209SC 12.9 gr / 11,800 PSI 1/2 oz LIL'GUN Rem. SP410 CCI 209SC 12.8 gr / 11,400 PSI 1/2 oz LIL'GUN CCI 209SC WAA41 12.8 gr / 11,700 PSI 1/2 oz LIL'GUN Fed. 209A Fed. 410SC 12.9 gr / 11,800 PSI 1/2 oz LIL'GUN Fed. 209A Rem. SP410 13.0 gr / 11,700 PSI WAA41 1/2 oz LIL'GUN Fed. 209A 13.0 gr / 11,100 PSI 1/2 oz | LIL'GUN Rem. 209P Fed. 410SC 13.0 gr / 11,000 PSI 1/2 oz LIL'GUN Rem. 209P Rem. SP410 13.1 gr / 11,200 PSI 1/2 oz LIL'GUN Rem. 209P WAA41 13.1 gr / 10,800 PSI 1/2 oz LIL'GUN Win. 209 Fed. 410SC 12.9 gr / 11,600 PSI 1/2 oz LIL'GUN Win. 209 12.8 gr / 11,500 PSI Orange PC 1/2 oz LIL'GUN Win. 209 Rem. SP410 12.8 gr / 11,700 PSI 1/2 oz LIL'GUN Win. 209 WAA41 12.8 gr / 11,700 PSI 1/2 07 H110 Fed. 209A Fed. 410SC 15.0 gr / 10,200 PSI 1/2 oz H110 Fed. 209A Orange PC 15.5 gr / 8,500 PSI



SHOT POWDER **PRIMER** WAD CHARGE/PRESSURE 410 BORE, 21/2", FEDERAL TARGET SHELLS CONT. 1200 fps 1/2 07 H110 Win. 209 Orange PC 15.5 gr / 8,400 PSI WAA41 15.0 gr / 9,700 PSI 1/2 oz H110 Win. 209 410 BORE, 2 1/2", REMINGTON-PETERS "SP" PLASTIC SHELLS 1200 fps 1/2 oz LIL'GUN Rem. 209P Rem. SP410 13.0 gr / 10,900 PSI 1/2 oz LIL'GUN WAA41 Rem. 209P 13.1 gr / 10,200 PSI 1/2 oz LIL'GUN Win. 209 Rem. SP410 12.7 gr / 11,700 PSI LIL'GUN Win. 209 WAA41 12.8 gr / 11,600 PSI 1/2 07 1/2 oz H110 Rem. 209P Rem. SP410 15.0 gr / 9,400 PSI 1/2 oz H110 Rem. 209P Fed. 410SC 15.0 gr / 9,500 PSI 1/2 oz H110 Rem. 209P Orange PC 16.5 gr / 7,000 PSI 410 BORE, 21/2 REMINGTON-PETERS "STS" PLASTIC SHELLS 1200 fps 1/2 oz LIL'GUN CCI 209SC Fed. 410SC 12.9 gr / 11,800 PSI LIL'GUN CCI 209SC 13.0 gr / 11,300 PSI 1/2 oz Orange PC 1/2 oz LIL'GUN CCI 209SC Rem. SP410 12.9 gr / 11,600 PSI 1/2 oz LIL'GUN CCI 209SC WAA41 12.8 gr / 11,300 PSI 1/2 oz | LIL'GUN Fed. 209A Fed. 410SC 12.9 gr / 11,600 PSI 1/2 oz LIL'GUN Fed. 209A Orange PC 13.1 gr / 11,000 PSI 1/2 oz LIL'GUN Fed. 209A Rem. SP410 12.9 gr / 10,900 PSI 1/2 oz LIL'GUN Fed. 209A WAA41 12.9 gr / 11,200 PSI 1/2 oz LIL'GUN Rem. 209P Fed. 410SC 13.0 gr / 11,000 PSI 1/2 oz LIL'GUN Rem. 209P Orange PC 13.3 gr / 10,400 PSI 1/2 oz LIL'GUN Rem. 209P Rem. SP410 13.2 gr / 10,800 PSI 1/2 oz LIL'GUN Rem. 209P WAA41 13.0 gr / 10,600 PSI 1/2 oz LIL'GUN Win. 209 Fed. 410SC 12.6 gr / 11,800 PSI 1/2 oz LIL'GUN Win. 209 Orange PC 12.9 gr / 11,100 PSI 1/2 07 LIL'GUN Win. 209 Rem. SP410 12.6 gr / 11,600 PSI 1/2 oz LIL'GUN Win. 209 WAA41 12.9 gr / 11,500 PSI 1/2 oz H110 Fed. 209A Fed. 410SC 14.2 gr / 10,600 PSI H110 Rem. 209P Fed. 410SC 1/2 07 14.7 gr / 9,600 PSI 1/2 oz H110 Rem. 209P Orange PC 15.2 gr / 9,300 PSI 1/2 oz H110 Rem. 209P Rem. SP410 14.8 gr / 8,900 PSI 1/2 oz H110 Win. 209 WAA41 14.0 gr / 10,000 PSI 410 BORE, 21/2", WINCHESTER COMPRESSION-FORMED AA PLASTIC SHELLS 1200 fps 1/2 oz LIL'GUN CCI 209SC Fed. 410SC 11.9 gr / 12,300 PSI 1/2 oz LIL'GUN CCI 209SC Orange PC 12.4 gr / 11,800 PSI 1/2 oz LIL'GUN CCI 209SC Rem. SP410 12.3 gr / 12,000 PSI 1/2 oz LIL'GUN CCL 209SC WAA41 12.3 gr / 12,000 PSI 1/2 oz LIL'GUN Fed. 209A Fed. 410SC 12.2 gr / 12,400 PSI LIL'GUN 1/2 oz Fed. 209A Orange PC 12.6 gr / 11,700 PSI 1/2 oz LIL'GUN Fed. 209A Rem. SP410 12.6 gr / 11,800 PSI 1/2 oz LIL'GUN Fed. 209A WAA41 12.6 gr / 11,500 PSI



**POWDER** PRIMER WAD CHARGE/PRESSURE 410 BORE, 21/2", WINCHESTER COMPRESSION-FORMED AA PLASTIC SHELLS CONT. 1200 fps 1/2 oz LIL'GUN Rem. 209P Fed. 410SC 12.5 gr / 12,400 PSI 1/2 oz LIL'GUN Rem. 209P Orange PC 12.5 gr / 11,100 PSI 1/2 oz LIL'GUN Rem. 209P Rem. SP410 12.6 gr / 11,500 PSI 1/2 oz LIL'GUN WAA41 Rem. 209P 12.5 gr / 11,700 PSI 1/2 oz LIL'GUN Win. 209 Fed. 410SC 12.0 gr / 12,400 PSI 1/2 oz LIL'GUN Win. 209 Orange PC 12.5 gr / 11,600 PSI Rem. SP410 1/2 oz LIL'GUN Win. 209 12.5 gr / 12,200 PSI Win. 209 1/2 oz LIL'GUN WAA41 12.2 gr / 12,300 PSI 1/2 oz H110 Win. 209 WAA41 14.0 gr / 9,900 LUP 1/2 oz H110 Win. 209 Fed. 410SC 14.0 gr / 9,100 LUP 1/2 oz H110 Fed. 209A Orange PC 15.0 gr / 9,000 PSI 1/2 oz H110 Win. 209 Orange PC 14.0 gr / 9,500 PSI **410 BORE** FEDERAL PLASTIC GAME SHELLS 1135 fps LIL'GUN Fed. 209A Fed. 410SC 13.0 gr / 13,400 PSI 11/16 oz 11/16 oz LIL'GUN Fed. 209A WAA41 13.0 gr / 12,400 PSI Rem.. 209P 11/16 oz LIL'GUN Rem. SP410 13.1 gr / 12,900 PSI 11/16 oz LIL'GUN Win. 209 Fed. 410SC 12.9 gr / 13,500 PSI 11/16 oz LIL'GUN Win. 209 WAA41 12.8 gr / 12,900 PSI H110 Fed. 410SC 11/16 oz Fed. 209A 14.9 gr / 12,300 PSI 11/16 oz H110 Win. 209 WAA41 15.0 gr / 11,800 PSI REMINGTON "SP" PLASTIC SHELLS 410 BORE, 3". 1135 fps 11/16 oz LIL'GUN Rem. 209P Rem. SP410 12.8 gr / 12,900 PSI LIL'GUN 11/16 oz Win. 209 WAA41 12.7 gr / 13,500 PSI H110 Rem. SP410 15.0 gr / 11,800 PSI 11/16 oz Rem. 209P 11/16 oz H110 Win. 209 WAA41 14.5 gr / 12,800 PSI 3", WINCHESTER COMPRESSION-FORMED PLASTIC SHELLS **410 BORE** 1100 fps 1135 fps 11/16 oz LIL'GUN CCI 209 Orange PC 12.2 gr / 13,300 PSI 11/16 oz LIL'GUN WAA41 CCI 209 11.6 gr / 13,400 PSI 11/16 oz LIL'GUN Rem. 209P Orange PC 12.3 gr / 13,500 PSI 11/16 oz LIL'GUN Rem. 209P Rem. SP410 12.0 gr / 13,300 PSI 11/16 oz LIL'GUN Rem. 209P WAA41 11.8 gr / 13,500 PSI 11/16 oz H110 Fed. 209A Fed. 410SC 14.1 gr / 13,400 PSI 11/16 oz H110 Rem. 209P Rem. SP410 14.3 gr / 12,500 PSI 11/16 oz H110 Win. 209 WAA41 13.5 gr / 10,900 PSI





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